



COUNTY. BOROUGH OF OLDHAM.

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# REPORT

ON THE

# HEALTH OF OLDHAM

FOR THE YEAR 1928.

BY

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M.D., C.M., D.P.H.

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EX-PRESIDENT AND EXAMINER TO THE INSTITUTE OF SANITARY ENGINEERS ;

FELLOW ROYAL INSTITUTE OF PUBLIC HEALTH ;

FELLOW ROYAL SANITARY INSTITUTE ;

FELLOW INCORPORATED SOCIETY OF MEDICAL OFFICERS OF HEALTH.



## MEMBERS of the HEALTH COMMITTEE, 1928

Mr. Councillor T. Wrigley, J.P., Chairman.

„ „ W. H. Bolton, J.P., Vice-Chairman.

The Mayor, Mr. Councillor E. H. Shorrocks, J.P.

Mr. Alderman J. Low, J.P.

Miss Councillor M. Lees.

Mr. Councillor A. J. Ashton, J.P.

„ „ J. Marsden.

„ „ D. Andrew.

„ „ W. H. Taylor.

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## HOSPITALS SUB-COMMITTEE AND INSANITARY DWELLINGS SUB-COMMITTEE.

All the Members of the Committee.





*To the Mayor, Aldermen and Councillors of the  
Oldham Borough Council.*

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MISS LEES AND GENTLEMEN,

I herewith submit my Annual Report on the work of the Health Department and Hospitals during the year 1928.

Several improvements have been made in the facilities provided by the Department.

The chief feature of the year was the opening of the Maternity Home which has long been under consideration, and which appears to supply the want which has been several times emphasized to the Health Committee.

At the time of writing the beds are all full and general satisfaction has been expressed at the treatment received there.

The Operating Theatre at Westhulme Hospital has been completed and has been used several times during the year.

Arrangements for bringing up-to-date the Sewage Works are well in hand and plans for the requirements mentioned in last year's report are practically completed.



In conclusion, I must express my thanks to the members of the Health Committee for their confidence, and also to the members of my staff for their ready and loyal assistance.

I have the honour to remain,

Your obedient Servant,

JAMES B. WILKINSON,

Health Office,

MEDICAL OFFICER OF HEALTH.

Town Hall,

April, 1929.

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# *Natural and Social Conditions of the Area.*

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## AREA.

The area of the town is given in the Survey Returns as 4,735 Acres.

## POPULATION.

Census 1921—144,983 Persons.

This was subsequently altered by the Registrar General to 148,300, by re-allocation of the population from other Towns. It has now been estimated by the Registrar General to be 143,200 for the year 1928. This is an increase over the previous year of 1,800 persons in the estimated population. The local conditions — Housing, number of Male Voters on the Register indicate that this estimate is considerably below the actual population.

## *General Provision of Health Services.*

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### HOSPITALS, &c.

The Hospitals and allied Institutions in the town are practically the same as in the previous year, and are briefly as follows :—

(1) THE OLDHAM ROYAL INFIRMARY—This Institution contains 150 beds for in-patients, a large out-patient department, and a fully equipped electrical and orthopædic department. The Venereal Diseases Clinic is at this Institution.







There is invariably a waiting list for admission of in-patients, and a large number attend the out-patient department daily.

(2) THE POOR LAW HOSPITAL—A well-equipped Hospital for Medical, Surgical, and Maternity Cases. Paying Patients are admitted for surgical operations and maternity, the fees being adjusted according to the circumstances of the patient.

(3) A VOLUNTARY NURSING INSTITUTION for the supply of Nurses.

(4) A NURSING HOME—This is an up-to-date Institution equipped with every modern appliance for the Medical or Surgical treatment of patients who can afford a moderate fee. It is managed by a Committee of Medical Men and their fees are fixed to cover the expenses and range from £7 7s. 0d. per week upwards. Maternity Cases are also admitted.

(5) WESTHULME INFECTIOUS DISEASES HOSPITAL—This Hospital consists of three hospital blocks; one of which is used for Scarlet Fever, another for Diphtheria and the third a small isolation block, for Typhoid and cases of mixed Infections. There is also a pavilion for 30 cases of Tuberculosis.

(6) TUBERCULOSIS SANATORIUM AT STRINESDALE—The Hospital part of this building has been completed and is now a well-equipped and up-to-date Hospital.

The administrative portion for which plans have been prepared is very delapidated, but owing to the conditions of trade in the town the erection was again postponed to a more prosperous time.



(7) RACEFIELD HOSPITAL---(Chadderton, Royton and Crompton Joint Hospital Board). This is now the Smallpox Hospital for Oldham, as well as for the above Districts. When not required for Smallpox, it is let to the County Authority for cases of Tuberculosis, and was occupied as such during the whole of the year. The few cases of Smallpox which occurred were isolated at the Hartshead Smallpox Hospital belonging to the Ashton and District Joint Hospital Board.

Racefield is situated in the Urban District of Chadderton, and the Medical Officer is the Medical Officer of Health of that District.

THE CITY OF MANCHESTER is only seven miles distant, and the large Hospitals there are also used to a considerable extent by Oldham people.

(8) MATERNITY HOME—This Institution was opened on the 25th September.

It contains three wards of four beds each; an isolation ward, a labour room, and a sun parlour where the babies can be placed and the mothers can sit when convalescent.

There is ample accommodation for not only the present Staff but also for additional members should the extension of the Hospital be required.

The question of providing a small babies Pavilion for malnutrition infants in the grounds has been under consideration and there is ample room for this.

TUBERCULOSIS DISPENSARY (25, Barker Street).—This is provided by the Lancashire County Council and Oldham bears half the establishment costs.





The two Authorities use the premises on different days in the week. There are two special rooms reserved for the Nurses' and Clerk's use of each authority.

**VENEREAL DISEASES CENTRE**—This is arranged in connection with the Royal Infirmary. There is no alteration in the arrangement from those in the previous year.

The Centre is staffed by the three Assistant Surgeons of the Institution and by a Male Attendant, Sisters and Nurses.

**MATERNITY AND CHILD WELFARE CENTRES**—There are six branch centres in the town, each under the control of one of the Health Visitors, and also a Central Institution which is used as a Babies' Clinic as well as a Maternity and Child Welfare Centre. The Assistant Medical Officer visits these Centres in turn. Particulars as to attendances, &c., are recorded under the Section allotted to Maternity and Child Welfare.

**DAY NURSERY**—There is a voluntary Day Nursery with a maximum of 18 cots, for babies whose mothers are compelled to go out to work. The average number of cots occupied is 12 to 13. This is entirely supported by voluntary contributions and is approved by the Ministry of Health.

**SCHOOL CLINIC**—This is arranged at one of the Schools not used as an elementary school in the town, and is open each afternoon and every Saturday morning. The Assistant Schools Medical Officers and the necessary Nurses attend and a very large number of children attend daily. During the year 2,470 children with 32,042 attendances were treated for minor ailments.





There is a well equipped Dental Clinic on the same premises with a full time Dentist and Nurse, and another Dental Clinic similarly equipped in another part of the town, which was opened early in the year.

ORTHOPÆDIC CLINIC.—The Isabella Greenhalgh Orthopædic Institution has been in work throughout the whole of the year and a more detailed report is given on a later page.

The visiting Surgeon attends fortnightly and treatment by Ultra Violet Rays (local and general) Massage and Electrical Massage and Radiant Heat are also available. There is also an X-ray Apparatus which has been found of very considerable value in both treatment and diagnosis.

AMBULANCE FACILITIES—For Infectious Cases two Motor Ambulances are kept at the Infectious Diseases Hospital and a Horse Ambulance is kept for emergencies at the Disinfecting Station. As regards non-infectious cases the Police have three Motor Ambulances at the Central Fire Station and in addition work one belonging to the Infirmary, also kept at the Fire Station. These Ambulances are available for accidents or the removal of cases of illness at any time during the day or night, and no charge is made for use in such cases. They are very largely made use of.



## *Public Health Officers of the Local Authority.*

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The List of the Staff in the various branches of the Public Health Authority, together with their respective duties has been previously given and there has been no alteration in the arrangements except those due to removal or death.

Inspector Wright; except for the Chief Inspector, the oldest member of the staff, died during the summer after a short illness. He was one of the best Inspectors of the Department and gave over 31 years honourable and efficient service. His capabilities as a Photographer also have frequently been of great use and value; Inspector Adams has been appointed in his place. One Inspector has been discharged after a comparative short service for neglect of duties and a new Chief Clerk has been appointed. Instead of six Inspectors, which has been the usual Staff for over 30 years, there were at the close of the year only four and it is quite impossible for them to carry out the routine house inspections which are necessary under the Housing Acts.

The Staff at the close of the year for health purposes, besides the Medical Officer of Health, consisted of the Chief Sanitary Inspector, an Assistant Food and Meat Inspector, and four District Inspectors, five Clerks and a Typist.





The Tuberculosis Department comprises one Assistant Tuberculosis Medical Officer, who is also Deputy Medical Officer of Health, one Clerk and one Nurse.

The Maternity and Child Welfare Department consists of one Assistant Medical Officer, who is resident at the Infectious Diseases Hospital and gives half-time to this work, one Nurse and Assistant at the Central Clinic, seven Health Visitors and a Girl Clerk.

The following is a list of the Midwives practising in the Borough at the close of the year. They number 37. Three of them only remain of those who were put on the Roll at the passing of the Midwives Act as being in practice at the time, and all but two of the remainder have passed the examination of the Midwives Board.





## LIST OF MIDWIVES.

Name.	Address.	Number of Certificate	Date of Certificate.
Bailey, Annie .....	463, Ashton Road .....	49570	Nov. /19 (4)
Billington, Annie .....	21, Stoneleigh Street ...	33601	June 20/1911 (4)
Bracegirdle, Ellen .....	Lees Nursing Home ...	72595	Feb. /28 (4)
Burton, Florence .....	Greenacres Maternity Home	60758	Aug. 11/1923 (4)
Carrier, Elizabeth .....	Greenacres Maternity Home	63821	Aug. 9/1924 (4)
Challinor, Elizabeth .....	26, Dickenson Street ...	480	Dec. 17/1903
Clegg, Kate.....	11, Featherstall Road S.	38861	Nov. 1913 (4)
Corless, Elizabeth Ellen..	177, Lee Street... ..	10733	Dec. 22/1904 (1)
Costello, A.....	69, Oldham Rd., Royton	42668	June /1915 (4)
Cox, Sarah A. ... ..	56, Kirkham Street ...	3354	Mar. 24/1904 (1)
Dalton, Catherine .....	12, Charter Street . ....	54723	Aug. 13/1921 (4)
Denton, Jane Ann ... ..	141, Salts Street, Shaw	18831	April 27/1905
Earnshaw, Clara .....	Greenacres Maternity Home	74448	Nov. 27/1928 (4)
Eastwood, Annie .....	335, Greenacres Road ...	46434	Nov. 10/1917 (4)
Eccles, Leah D. ....	49, Prince Albert Street	72684	Feb. 25/28 (4)
Entwistle, Alice .....	88, Manchester Road ..	70956	May /27 (4)
Fawley, Jemima.....	86, Brewerton Road ...	56308	Feb. 11/1922 (4)
Fitton, B. E. ....	29, Burnley Lane, Chadderton	56915	April 19/1922 (4)
Gaskell, Louisa .....	13, Duke St., Failsworth	36801	Oct. 28/1912 (4)
Hobday, Ethel ... ..	Greenacres Maternity Home	49239	Aug. 7/1919 (4)
Hill, Florence ... ..	331, Manchester Road...	36110	June 18/1912 (4)
Hirst, Selina .....	78, Featherstall Road N.	50202	Feb. 21/1910 (4)
Jenkinson, Mary Alice ...	29, Grasmere Road .....	48807	May 10/1919 (4)
Jones, Ann .....	199, Coalshaw Green Rd. Chadderton	38271	June 16/1913 (4)
Kershaw, Hilda .....	17, Kersley Street .....	54887	Aug. 13/1921 (4)
Lees, Eliza .....	73, Shaw Rd., Royton...	67682	Dec. 12/25 (4)
Mackwell, Hilda .....	177, Lee Street.....	61452	Oct. 8/1923 (4)
Moyall, Sarah A. ....	2, Esther Street .....	53875	April 13/1921 (4)
McGrath, Margaret .....	7, Kempsey Street .....	59476	Feb. 10/1923 (4)
Reeves, Sarah Elizabeth.	176, Garforth Street .....	41891	Feb. 20/1916 (4)



## LIST OF MIDWIVES—CONTINUED.

Name.	Address.	Number of Certificate	Date of Certificate
Shaw, Vera.....	720, Oldham Road, Bardsley...	64107	Aug. 9/1924 (4)
Shields, Catherine .....	Greenacres Maternity Home	74815	Nov. 24/1928 (4)
Stafford, Martha Ann ...	41, Walker Lane, Springhead...	46268	Aug. 11/1917 (4)
Trevitt, N. ....	364, Ripponden Road ...	59642	Feb. 10/1923 (4)
Whyatt, Hannah .....	6, Prince Albert Street...	11065	Dec. 22/1904
Wild Elizabeth .....	125, Coppice Street .....	36297	Aug. /11 (4)
Wilkinson, M. A. ....	1, Eden Street .....	62162	Dec. 12/23 (4)

(1) Holds the Certificate of St. Mary's Hospital, Manchester.

(4) Passed the Examination of the Central Midwives' Board.





## LEGISLATION IN FORCE.

There are several local Acts of Parliament in force most of which contains Sanitary Enactments.

Parts II., III., and IV., of the Public Health Acts (Amendment Act, 1890) have been adopted; and also the Notification of Births Act.

There are Bye-laws for—

New Streets and Buildings.

Slaughter Houses.

Common Lodging Houses.

Houses-Let-in Lodgings.

Cowsheds, Dairies and Milk Shops.

Tripe Boilers and Offensive Trades.

Public Baths.

Tents, Vans, Sheds, &c.

The Prevention of Spitting, &c.

The Bye-laws for Slaughter Houses are in course of preparation and are practically those of the model Bye-laws and contain a clause compelling the use of a Humane Killer for all Animals except Sheep.

The old obsolete Bye-laws for New Streets and Buildings have been replaced by new Bye-laws and contain the latest approved conditions applicable to new constructions.

The Bye-laws relating to Houses-Let-in-Lodgings require some amendments and are under consideration.





## *Sanitary Circumstances of the District.*

### WATER SUPPLY.

There is no alteration in the water supply of the town from that previously described. The supply is constant and there has been no shortage during the year. Practically no complaints have come to the Health Department. The New Waterworks, at which the work is actively proceeding, are expected to be available for supply about August.

The Water Engineer (Mr. C. J. Batley) has kindly supplied the following statistics of the Service during the year.

#### Average daily consumption of water.

in the supply area for year	1919	5,534,726 galls.
Do. do.	1920	5,768,824 „
Do. do.	1921	5,287,085 „
Do. do.	1922	5,526,203 „
Do. do.	1923	5,936,641 „
Do. do.	1924	6,350,203 „
Do. do.	1925	6,457,076 „
Do. do.	1926	6,568,994 „
Do. do.	1927	6,651,754 „
Do. do.	1928	7,033,203 „

#### Daily quantity of compensation water,

1928	...	...	...	...	3,033,194 „
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Estimated population supplied in 1928 253,108

#### Area of Gathering Ground of Old

Works	...	...	...	...	5,708 acres
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Total storage capacity of all reservoirs	1,976,000,000	galls.
Available for the domestic supply	1,364,000,000	„
Amount of water in reservoirs at close of year ... ..	1,600,853,000	„

At the close of the year the reservoirs contained about  $22\frac{1}{2}$  weeks' supply.

The average amount of water used per head per day of the above population is about 27·78 gallons. On the population estimated by the Registrar General it would be  $29\frac{1}{2}$  gallons.

NEW RESERVOIRS (Oldham)—White Holme and Blackstone Edge.

#### NEW WORKS—

Area of Gathering Ground,  $1,645\frac{1}{2}$  acres.

Area of Reservoirs, 157 acres.

Capacity of Reservoirs (Storage) 547,800,000 gallons.

Amount available for Domestic Supply, 465,106,330 gallons.

Estimated daily supply available for Domestic use, 2,124,167 gallons.

The supply from the New Works at Blackstone Edge will be available for service about August, 1929.

#### DRAINAGE AND SEWERAGE.

Except for sparsely populated districts, nearly all the inhabited part of the town is either covered with houses or paved, and the drains are connected up to the public sewers.





## SEWAGE WORKS.

At the Sewage Works a considerable amount of work has been done in renewing, improving and re-constructing the older Filter Beds, and during the past year three newly reconstructed Contact Beds have commenced work. One more is still in process of re-construction and will be shortly completed.

The Overflow Weir and Culvert has been very useful during the storms. The Weir is fixed at seven times the dry weather flow.

An Electroflow Meter has been fixed for measuring the amount of sewage coming to the works. It appears to work satisfactorily as regards the amount of sewage going to the Precipitation Tanks.

Plans are being prepared for

1. Two Storm Tanks on similar lines to those suggested many years ago, when circular tanks were installed.
2. A larger Detritus Tank. The present tank was considered very small when it was erected and owing to the large amount of debris which has reached the Works it has been found entirely inadequate. Until recently, however, land was not available for any improvement in this condition, but the purchase of adjoining land has now made it possible.
3. Three large covered lagoons for the settling and the digestion of sewage sludge.

The disposal of the sewage sludge at the Works has been found to be the greatest difficulty we have had to contend with and after long experience the settling of sludge in covered lagoons has been found the most



economical measure of dealing with it. The objection of open lagoons is the effect on the sludge of the rainfall. The farmers in the neighbourhood are beginning to appreciate the value of the sludge as a manure and they are sending for increased quantities.

The Daily Dry Weather flow is now ascertained to be a little over  $4\frac{1}{2}$  million gallons.

The following is the average of the Analyses during the year in grain per gallon :—

	Sewage	Tank Effluent	Final Effluent
Oxygen absorbed four hours	3·71	2·91	0·91
Free Ammonia ... ..	2·52	2·27	0·39
Albuminoid Ammonia ...	0·62	0·42	0·21
Chlorine ... ..	6·97	6·91	6·83
Nitrates as $\text{NH}_3$ ... ..	—	—	0·28
Suspended Matter, Mineral	—	—	1·41
Do. Volatile	—	—	2·38
Do. Total	—	—	3·79

Percentage of Purification—Sewage to Final ...  $75\frac{1}{2}$   
Do. —Tanks to Final ...  $68\frac{2}{3}$

110 Samples of Final Effluent were incubated, and of these 108 remained good and two showed some signs of putrifaction. The average amount of suspended matter in the final effluent was 3·79 grains per gallon compared with 5·70 grains per gallon in the previous year; a considerable reduction.

## CLOSET ACCOMMODATION AND SCAVENGING.

The work of converting the pan closets to water closets has proceeded very slowly, mainly owing to financial conditions.





There has been a decrease of only four sanitary pans and a decrease of two in the number of waste water closets.

The number of clean water closets has increased by 567. This of course is due to the number of new houses.

The following table indicates the number of the various Sanitary Conveniences in the Borough at the close of each of the last five years:—

	1924	1925	1926	1927	1928
Number of Ashpits in the Borough.....	509	252	3	none	none
„ Ashcans „ .....	32259	33043	33789	34151	34585
„ Sanitary Pans „ .....	1954	1842	1822	1889	1885
„ Water Closets „ .....	8289	8540	8566	9448	10015
„ Waste-water Closets in the Borough .....	24811	24799	24803	24780	24778
„ Latrines (Clean Water) in the Borough .....	2953	2953	2953	2953	2953

The Superintendent of the Cleansing Department has supplied me with the following particulars of the work done in relieving blocked Closets.

It will be noticed what a considerable amount of work is required in connection with waste water closets in removing blockages, adjusting and supplying new tippers, etc.

## WATER CARRIAGE DEPARTMENT.

### REPORT OF WORK DONE FOR THE YEAR ENDED DECEMBER, 1928.

	W.W.C's	W.C's	Latrines	TOTAL
No. of Blockages cleared ...	6220	144	103	6467
No. of Drains cleared ...	—	—	—	295
Drains found blocked, requiring excavating ...	—	—	—	338
Tippers found not working and re-adjusted ...	—	—	—	57
Tippers, Fittings, &c., found broken ...	—	—	—	977
New Tippers, Fittings, etc., fixed	—	—	—	967
Visits paid Flushing Latrines, &c.	—	—	—	10825





## SCAVENGING.

This is entirely carried out by the Carrying and Cleansing Department of the Corporation with their own Staff of Men, Horses, Appliances, &c., and is most efficiently dealt with.

## REFUSE.

There are three Destructors in the Town :

1 Rhodes Bank ; 2 Robin Hill ; 3 Hollinwood.

The Clinker is used for (1) constructing Filter Beds at the Sewage Works ; (2) for Mortar Making ; (3) for the manufacture of Paving Flags, and the waste heat is used for working machinery and for heating the water at one of the public baths



## *Sanitary Inspection of the Area.*

---

The following is the Report of the Chief Sanitary Inspector, and in table 25 and subsequent ones are summarised the number of Visits, Inspections, Notices Served and other details of the work of the Sanitary Inspectors' Department.

29th January, 1929.

### REPORT OF THE CHIEF INSPECTOR FOR THE YEAR, 1928.

TO THE MEDICAL OFFICER OF HEALTH.

SIR,

I have pleasure in presenting my Report of the work done by your staff of Inspectors during the year.

**Contagious Diseases of Animals**—We have had no outbreak of Contagious Diseases during the year except those mentioned under Dairies and Cowsheds.

**Food Inspection**—The visits to premises where food is prepared or deposited for sale, numbered 15,023. As a result of these visits, over 29 tons of diseased or unsound food was destroyed. In no case was a seizure made, the whole being surrendered by the vendors.

During the year 215 cases of Tuberculosis in Animals were reported, in addition 283 cases were found, making a total of 498 cases, of these 358 occurred in cattle and 140 in swine.





**Slaughterhouses**—We began the year with 36 Slaughterhouses on the register. During the year two Slaughterhouses were lapsed.

**Dairies and Cowsheds**—A thorough inspection of these premises has been made during the year. Every cow found on the premises at the time of inspection was examined, when six were found suffering from Tuberculosis of the Udder.

The Six affected Cows were slaughtered under the provisions of the Tuberculosis Order, 1925, when two were found to be affected with Generalised Tuberculosis, and four with Localised Tuberculosis. Those affected with Generalised Tuberculosis were destroyed, and those affected with Localised Tuberculosis were sold for human food. Compensation was paid to the farmers to the amount of £91/5/-, of this we were entitled to 75% from the Government, viz. : £68/16/3 which together with £48/5/3 received for salvage makes a total of £117/1/6.

**Samples of Food and Drugs**—During the year 160 samples were obtained under the Food and Drugs Acts, and submitted to the Borough Analyst. A decrease of 64 samples when compared with the previous year.

**Smoke Inspection**—During the year 1343 observations were made. In two cases the limit was exceeded and in seven cases it was approached and reported to the Medical Officer of Health. The cases where the limit had been exceeded were reported to the Health Committee, when a legal notice was served in each case.

**Inspection of Nuisances**—During the year 3348 notices were served for the abatement of nuisances, of these 3156 were remedied during the year. In connection with these nuisances 14169 re-visits were paid during the year.



**Closet Accommodation**—The provision of additional Closets for premises insufficiently provided for, has resulted in 85 additional Closets being provided for houses, and 14 additional Closets for workshops.

**House Inspection**—During the year 4040 houses were inspected under the Housing Acts and 1829 houses under the Public Health Acts, a total of 5869 houses. A notice to cleanse was served on 86 occupiers, 85 of which were complied with before the end of the year. The number of houses found defective amounted to 1073 under the Housing Act 1925 ; and 700 under the Public Health Acts ; a total of 1773 houses defective, of these 1709 were repaired during the year. During the year 46 notices were served for overcrowding, 36 of which were complied with before the end of the year.

**Houses Let-in-Lodgings**—During the year 6280 visits were paid, resulting in the serving of 65 notices to cleanse, 127 notices to repair, 17 notices for overcrowding, 12 notices for the separation of sexes, and 9 notices for failing to register, a total of 230 notices. All these with the exception of 7 were complied with before the end of the year.

Eight houses containing 50 rooms have been added to the register during the year, and 36 houses containing 197 rooms have been struck off the register ; of the latter, 34 houses containing 192 rooms were in the Smethurst Street Area.

**Infectious Diseases**—The number of visits paid amounted to 1213, an increase of 585 as compared with the previous year. In addition 91 visits were paid to cases of Consumption, for the purpose of arranging for disinfection.





In conclusion, I desire to express my thanks for the great assistance I have received from all the members of the staff, and to yourself for your confidence and support.

I beg to remain,

Yours faithfully,

GEORGE WINTERBOTTOM,

Chief Sanitary Inspector.





## *Premises and Occupations which can be controlled by Bye-laws and Regulations.*

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### LODGING HOUSES.

Three classes of Houses may be included under this heading.

1. Common Lodging Houses.
2. Houses let as lodgings (weekly lodgers).
3. Furnished rooms.

1. **Common Lodging Houses**—These premises are under the control of the Police, and regularly inspected by a Special Member of the force. The following are particulars of the accommodation :—

Total number of Lodging Houses	...	...	11
Total Nightly Accommodation...	...	...	809
Total Accommodation reserved for Females	...	...	73
No. of Lodging Houses receiving Women only.			2

2. **Houses Let-in-Lodgings**—These differ little from the Common Lodging House except that the occupants are weekly lodgers, many of whom reside in the same home for years. Bye-laws for them are in force and they are all inspected at least once a month and are generally kept in conformity with the Bye-laws.

3. **Furnished Rooms**—These also come under the above Bye-laws and are all visited at least once a month by a Sanitary Inspector. Their condition varies very considerably, many are kept perfectly clean but others require constant supervision.



These have to be registered before they are used as such. I have previously commented on the high rents charged for these rooms by the person who farms them out: 12/- per week for a single room is a fairly average charge and there are often 3 or 4 in a house for which the rent is about 6/-.

The decrease in the number of these premises which was noted for the first time last year has continued. This is largely due to the number of new houses erected to house the people removed from the condemned area. At the close of the year there were on the Register 122 houses compared with 150, and 608 rooms compared with 755 in the previous year.

### OFFENSIVE TRADES.

The following is a list of these trades in the Borough. All of them are regularly inspected. They are mostly small businesses and the number remains the same.

OFFENSIVE TRADES.					1927.	1928.
Tripe Boilers	...	..	...	...	7	7
Marine Stores	...	...	...	...	12	12
Grease Works	...	...	...	...	4	4
Gut Scrapers	...	...	...	...	2	2
Hide and Skin Depots	....	...	...	...	2	2
Chemical Works	...	...	...	...	1	1
					<hr/>	<hr/>
					28	28

### SMOKE ABATEMENT.

The number of smoke observations taken during the year was 1343, about 150 fewer than in the previous year. Owing to the number of mills closed this is probably a





higher percentage per mill working than in previous years, only two exceeded the limit and in both cases it was the first offence and the legal notice was served.

## FACTORIES AND WORKSHOPS.

**Factories**—The Inspection of Factories is confined to :—

1. The Mill Reservoirs.
2. Smoke observations of the amount of black smoke emitted from the chimneys.
3. The provision of efficient fire escapes, when complained of or reported by the Factory Inspectors.
4. The removal of nuisances complained of or reported by the Factory Inspectors.

**Workshops**—With regard to the Workshops, these are regularly visited.

626 Visits were paid to these premises during the year and 23 Notices were served for defects all of which were complied with before the close of the year. Particulars of these defects are to be found in Table 25.

At the close of the year there were 479 workshops on the Register. This number shows a decrease of 17 from the previous year.

## THEATRES, &c.

The Sanitary conveniences at the various Theatres, Picture Houses, &c., have been regularly inspected throughout the year. They are kept in good condition.



The following is a list of the Workshops registered :—

Bakers.....	15	Machine Brokers .....	3
Blacksmiths .....	7	Mackintosh Manufacturers ..	1
Blind Manufacturers... ..	1	Mantle Makers .....	8
Blind Women's Industry ...	—	Marine Stores .....	5
Bookbinders .. .....	3	Milliners .....	45
Bottlers (Beer) .....	4	Mineral Water Manufacturers	2
Brass Founders.....	1	Opticians .....	—
Brush Makers .....	1	Pattern Makers .....	4
Cabinet Makers.....	5	Picture Framers .....	3
Carriage Builders .....	1	Plumbers .....	9
Cartsheet Manufacturers .....	2	Printers .....	3
Cloggers .....	63	Restaurants .....	4
Coffin Makers .....	4	Roller Coverers .....	2
Coopers .....	1	Rope Makers .....	2
Cotton Waste Dealers .....	26	Saddlers .....	5
Curriers .....	3	Saw Cutters ... ..	2
Cycle Makers and Motor Engineers .....	14	Scale Makers.....	2
Dentists .....	4	Shirt Makers .....	1
Drapers (Underwear and Skirts) .....	1	Shoe Makers .....	59
Dress Makers .....	25	Skewer Makers .....	1
Dyers .....	1	Skip Makers .....	6
Drysalts (Chemists) .....	3	Sugar Boilers.....	3
Electricians .....	6	Tailors.....	36
Electro-Platers .....	2	Tile Fitters .....	4
Firewood Manufacturers .....	3	Tinsmiths ... ..	16
French Polishers .....	1	Umbrella Manufacturers .....	2
Heating Apparatus Manufac- turers .....	1	Upholsterers .....	5
Horse-hair Draughter .....	1	Watch Makers .....	5
Hosiery & Stocking Knitters	4	Wire Workers .....	1
Ice Cream Manufacturers ...	4	Wheelwrights.....	6
Iron Founders .....	2	Wringing Machine Manufac- turers .....	1
Joiners .....	10	Sundry Trades .....	20
Laundries .....	12		





## SCHOOLS.

The Medical Officer of Health is also Superintendent Schools Medical Officer, and a separate report on the work in connection with the Schools has been issued.

The Schools are—

- (a) 38 Elementary Schools.
- (b) A Municipal Secondary School.
- (c) 4 Central Schools.
- (d) 1 School for Mentally Defective Children.
- (e) 1 School for Physically Defective Children.
- (f) 1 School for the Blind.
- (g) 1 School for the Deaf.
- (h) 1 Open Air Residential School for Pre-Tubercular Girls.
- (i) A large Grammar School for both Boys and Girls.
- (j) Several Small Preparatory and Private Schools.

## SUMMARY OF HOUSING INSPECTION FOR THE YEAR 1928.

Name of Local Authority—OLDHAM COUNTY BOROUGH.

### HOUSING CONDITIONS Year ended 31st December, 1928.

#### GENERAL STATISTICS.

Area (Acres) 4,735.

Population Census 1921, 148,300 ; 1928, 143,200.

Number of inhabited houses (1921) 34,781.

Number of families or separate occupiers (1921) 34,755.

Rateable Value, £882,727 (April 1st, 1929.)

Sum represented by a penny rate. £3,186.





## HOUSING.

Number of new houses erected during the year :—

(a) Total, including numbers given separately under  
(b) 348.

(b) With State assistance under the Housing Acts:

(i) By the Local Authority, 202\*

(ii) By other bodies or persons, 109.

\* To house dwellers from Insanitary Area (Smethurst Street).

### 1—Unfit Dwelling Houses.

INSPECTION—(1) Total number of dwelling houses inspected for housing defects (under Public-Health or Housing Acts), 5,869.

(2) Number of dwelling houses which were inspected and recorded under the Housing (Inspection of District) Regulations 1910, or the Housing Consolidated Regulations 1925, 4,040.

(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation, 0.

(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation, 1773.

### 2—Remedy of defects without service of formal Notices.

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their Officers 862.



### 3—Action under Statutory Powers.

#### (a) PROCEEDINGS UNDER SECTION 3 OF THE HOUSING ACT, 1925.

(1) Number of dwelling houses in respect of which notices were served requiring repairs, 422.

(2) Number of dwelling houses which were rendered fit after service of formal notices, 385.

(a) by owners 385.

(b) by Local Authority in default of owners, 0.

(3) Number of dwelling houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close, Nil.

#### (b) PROCEEDINGS UNDER PUBLIC HEALTH ACTS.

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied 489.

(2) Number of dwelling houses in which defects were remedied after service of formal notices, 462.

(a) by owners, 462.

(b) by Local Authority in default of owners, 0.

#### (c) PROCEEDINGS UNDER SECTIONS 11, 14, AND 15 OF THE HOUSING ACT, 1925.

(1) Number of representations made with a view to the making of Closing Orders, 1.

(2) Number of dwelling houses in respect of which Closing Orders were made, 1.





- (3) Number of dwelling houses in respect of which Closing Orders were determined, the dwelling houses having been rendered fit, Nil.
- (4) Number of dwelling houses in respect of which Demolition Orders were made, 1.
- (5) Number of dwelling houses demolished in pursuance of Demolition Orders, 1.

**Unhealthy Area.**—The Smethurst Street Unhealthy Area for which a Scheme was approved after a Public Enquiry in March, 1924, is being dealt with. In the greater portion of this area the houses have been demolished.

The majority of the tenants who have been removed to the new housing site keep their houses in a fair condition, and the unsatisfactory ones (except for payment of rent) are few.



The following houses were voluntarily closed:—

### HOUSES VOLUNTARILY CLOSED.

Total Number Closed.	NATURE OF HOUSE.			REASON FOR CLOSING.
	Through	Single.	Back to Back	
7	7	—	—	Pulled down for extensions to business premises.
1	1	—	—	Pulled down for street improvement.

### HOUSES CLOSED BY LOCAL AUTHORITY.

No. R'port'd	No. of Houses Closed		No. Ad- journd	Plans to be Sub- mitted	No. De- mol'shed	Houses Demolished	
	By L.A.	By Owner				By Owner	By L.A.
1	1	—	—	—	—	—	—

### CLASS OF HOUSES CLOSED.

No. Closed	Through	Single	Under Dwellings
1	1	—	—



The following table gives a summary of the houses inspected, and the conditions found during the past 10 years, with a summary for that period:—

NUMBER OF HOUSES INSPECTED (HOUSE TO HOUSE).

	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	Total
No. of Houses..	318	4098	6164	4926	4210	5207	4984	3519	6214	5869	45509
Overcrowded ...	—	25	4	12	2	2	16	11	21	46	139
Structurally Defective ...	69	527	703	854	365	1977	2226	2023	2456	1773	12973
Dirty Houses ..	51	92	88	110	81	104	79	43	76	86	810
Defective Roofs	74	273	438	435	400	759	586	440	662	819	4886
Percentage of Defective H'ses	22	13	11.4	17.3	7.4	37.9	44.6	55.3	39.52	30.2	28.5
Percentage of Dirty Houses	16.0	2.2	1.4	2.23	1.92	2.7	1.58	1.22	1.06	1.46	1.77
No. of Notices.. Served.....	278	843	1208	1471	857	1298	1107	817	1358	1508	10745





# Inspection and Supervision of Food.

(A). Milk Supply—There are very few dairy farms within the Borough, the total number being 35, the same as in the previous year. The number of Cowsheds at these farms is 70, nine having been disused during the year, and one new one registered. They are all regularly inspected. All the defects for which notices were issued were complied with during the year.

(B). Meat Supply—There are 34 Slaughter Houses on the Register, a decrease of two from the previous year. Both these and the Meat and other Food Shops are regularly visited. No defects requiring notices were found. Over 29 tons of diseased or unsound food were destroyed during the year.

There is no Public Abattoir in the Town.

## SALE OF FOOD AND DRUGS ACT.

The number of samples of different kinds of food purchased under the Food and Drugs Act is tabulated below.

NUMBER OF SAMPLES PURCHASED FOR ANALYSIS UNDER THE FOOD AND DRUGS ACT.

Informal Samples	Formal Samples	Description of Sample	Genuine	Not Genuine	Summoned before Magistrates	Cautioned by Committee
—	11	Rice ... ..	11	—	—	—
—	10	Butter ... ..	10	—	—	—
—	10	Coffee ... ..	10	—	—	—
—	105	Milk ... ..	105	—	—	—
—	8	Cream ... ..	8	—	—	—
—	7	Cheese ... ..	7	—	—	—
—	2	Pearl Barley... ..	2	—	—	—
—	7	Margarine ... ..	7	—	—	—
—	160		160	—	—	—

There were no samples of food returned as not genuine, but 3 samples of milk were of very poor quality. All the other samples of milk were of a good quality and the average is a high one.



## *Maternity and Child Welfare.*

### 1. MIDWIVES—

A list of those practising in the town is given on a previous page.

The Superintendent Nurse of the Infant Welfare Centre visits them at regular intervals.

During the year she paid 230 visits in connection with them.

### 2. HEALTH VISITORS. *General Arrangement.*

There has been no alteration from the previous year, not even in the staff.

Briefly the town is divided into six Districts, each of two wards, and there are six Health Visitors, one in charge of each District. There is in each District one Infant Welfare Centre, open one afternoon each week, under the charge of the Health Visitor for the District.

The Assistant Medical Officer attends each Centre alternate weeks for consultation and advice.

Babies are weighed at their attendances and full records are kept of their progress.

All Free Milk supplies are obtained at the Town Hall Centre. The usual form has to be filled up, and enquiries are made as to incomes and circumstances. The Milk is only supplied to infants under 3 years, and to pregnant women during the last two months. All those receiving milk must attend regularly at the Centre unless prevented by illness. Also no person is allowed to purchase Dried Milk at the Centre unless on the books and in attendance at one of the Centres.





There is also one Health Visitor whose chief duty is to visit cases of Minor Infectious Diseases in Young Children, with the view of giving advice as to care and nursing and excluding cases and contacts from school for the necessary period.

#### TOWN HALL CENTRE.

The Centre adjoining the Health Office is open all day, and is under the charge of the Superintendent Nurse, with an assistant clerk.

The Assistant Medical Officer attends one morning each week for Ante-natal Work and one morning, and on Monday afternoons for Infant consultations. The Schools for Mothers are held in the afternoons.

Ante-natal Cases are sent to this Centre from the Branch Centres for consultation.

The number of Ante-natal cases attending has increased during the year from 104 to 220 and since the opening of the Maternity Home there has been a further increase.

The Attendance at the Infant Clinic where Minor Ailments or Dressings not requiring Medical treatment shows a slight increase.

Cases requiring medical attendance are referred to the private Medical Attendant or to a suitable Institution, chiefly to the Royal Infirmary. The following table records particulars of the work at the Centre.



# INFANT WELFARE CENTRE.

	1927	1928
Number of Cases on the Books ... ..	552	580
Total Number of Attendances ... ..	8793	8860
Number of Meetings ... ..	180	180
Average Number at each Meeting ... ..	49	49
Average Attendance per Mother ... ..	16	16
Number of Ante-natal Cases ... ..	104	220
Number of Visits paid by Ante-natal Cases	383	749
Number of Visits paid to Midwives ... ..	235	230

## INFANT CLINIC.

	1927	1928
Total Visits paid to Clinic for advice ...	1414	1423

## SUMMARY OF CASES WHICH ATTENDED AT THE CLINIC.

Disease	No.	Visits to Clinic	Cured	Under Treatment	Improved
Sores... ..	35	89	14	7	15
Septic Umbilicus ... ..	19	59	17	1	2
Abscess ... ..	1	2	1	...	...
Deformities ... ..	11	26	1	4	...
Hernia ... ..	30	88	9	11	7
Circumcision ... ..	5	13	2	...	1
Sore Eyes ... ..	12	32	8	2	...
Marasmus ... ..	66	305	22	24	20
Skin Eruptions ... ..	24	88	11	4	7
Ear, Throat & Nose	16	41	3	7	3
Rickets ... ..	36	92	10	13	15
Sundries... ..	82	213	58	8	14
Total ...	337	1048	156	81	84





The following are statistics of the termination of the Ante-natal cases attending this Centre :—

	1927.	1928
No. of Cases... ..	104	220
No. of Attendances ... ..	383	749
Average Attendance per Case ... ..	3	3
Normal Confinement ... ..	47	94
Doctor in Attendance at Confinement... ..	23	37
Greenacres Maternity Home Cases ... ..	—	19
Oldham Hospital Cases... ..	12	18
Manchester Hospital Cases ... ..	4	4
Stillbirths ... ..	1	6
Cases still attending ... ..	37	85

During the year 20 children were sent to the Orthopædic Centre for consultation with the Orthopædic Surgeon for various deformities and 50 were recommended for treatment by Ultra-Violet Rays. The latter are weighed and kept under observation at the Centre.

#### BRANCH CENTRES.

The visits made by the Health Visitors during the year were as follows :—

	1927	1928
First Visits to Infants under 1 year ...	2025	1994
Total Visits to Infants under 1 year ...	6979	5095
Total Visits to Children 1 to 5 years ...	8675	11981
First Visits to Expectant Mothers ...	282	289
Total Visits to Expectant Mothers ...	369	410
Ophthalmia Cases Visited ... ..	18	17
Puerperal Fever and Pyrexia Visited ...	14	25
Visits to Measles ... ..	408	947
„ Mumps ... ..	—	36
„ Whooping Cough ... ..	68	250
„ Poliomyelitis ... ..	—	1
„ Chicken Pox ... ..	39	521
„ Infant Deaths ... ..	170	133
„ Sundry Enquiries ... ..	625	442
Total Visits to Infectious Cases ... ..	4200	1785





The following Table gives an indication of the attendance of the Mothers and Infants at the various Centres :—

	Hollin- wood Centre	Bent House	Overens Street	Fisher Street	Copster Hill	Ripp'nd'n Road	Total
No. on Books ...	80	106	140	130	106	110	672
Attendances—							
Mother & Child	1527	1984	2508	2433	2399	1716	12567
Av. Attendance	37	45	57	55	55	42	291
Av. Attendance per Mother ..	19	19	18	19	23	15	113
No. of Meetings	41	44	44	44	44	41	258

Expectant Mothers are sent to the Town Hall Centre.

### INFANTILE MORTALITY.

	Legitimate	Illegitimate	Total
Births ... ..	1912	132	2044
Deaths (under 1 year) ...	165	16	181
Death rate per 1,000 births	86	121	88

The Principal causes of Infant Deaths during the past five years were as follows :—

	1924	1925	1926	1927	1928
Infectious Diseases ... ..	18	4	25	7	6
Premature Births ... ..	60	53	42	46	61
Atrophy, Debility & Marasmus	41	44	39	19	30
Diarrhoea & Digestive Diseases	30	8	22	14	17
Tubercular Diseases ... ..	5	3	2	2	0
Respiratory Diseases .. ...	65	35	66	27	32
Convulsions ... ..	13	11	13	12	11
Syphilis ... ..	4	4	8	4	4
Other Causes ... ..	39	72	32	49	20
Total ... ..	275	236	249	180	181



The Infantile Mortality rate in the various Wards to actual Residents was as follows :—

WARDS	No. of Births	Birth Rate	No of Deaths under 1 yr.	Rate per 1000 births
Clarksfield .....	191	12·0	15	78
Hollinwood .....	139	14·0	9	64
St. Paul's .....	190	12·7	13	68
Werneth .....	157	12·9	12	76
St. Peter's .....	108	9·3	6	55
St. Mary's .....	161	14·6	16	99
Westwood .....	365	24·5	12	33
Waterhead .....	207	15·6	28	135
Mumps .....	132	15·3	15	113
St. James's.....	128	11·4	15	117
Hartford .....	143	10·8	14	97
Coldhurst .....	122	11·5	17	139
Transferred Births and Deaths	1	—	9	—
Borough .....	2044	14·1	181	88

MATERNITY DEATHS.—There were 20 deaths due to conditions connected with childbirth. Eleven of these deaths were due to Sepsis and nine were due to other accidents connected with childbirth. This gives a rate of 8·3 per 1,000 births or of 0·88 per cent excluding the two cases occurring after abortion.

There were 20 cases of Puerperal Fever and 11 of Puerperal Pyrexia notified during the year.





NOTIFICATION OF BIRTHS.—Out of the total number of Births 1,483 were notified by Midwives and 457 by Parents and Doctors. The Stillbirths notified numbered 120.

FREE MILK.—There has been no diminution in the number of applications for free milk during the year. Unemployment and short time in practically all the trades has compelled many to seek for this assistance.

In addition to Milk ; Virol, Cod Liver Oil, &c., are supplied to those who cannot obtain it when prescribed by the Medical Officer of the Welfare Clinic.

The cost of Dried Milk and those Articles supplied free during the year was £760 16s. 11d.

The cost of the Milk supplied by Farmers and Dairymen during the year was £716 10s. 10d.

MEDICAL AID was sought by Midwives in 348 cases compared with 309 in the previous year, and 151 claims were made by the Doctors summoned, for fees amounting to £215 6s. 0d. Unemployment and short time has considerably reduced the amounts which ought to have been repaid.

The repayments during the financial year amounted to £135 5s. 2d., compared with £181 9s. 0d., in the previous year. This sum includes repayments for claims made in previous years.

OPHTHALMIC NEONATORIUM. — Seventeen cases were notified during the year. Two were Out-District cases from the Oldham Union.



Every case except those in Hospital is at once visited by a Health Visitor and a special enquiry at the close of the year gives the following results in the Oldham cases :

Attended at confinement by Midwives	...	9
Doctors	...	8
Vision Unimpaired	...	12
Vision Impaired Slightly	...	0
Vision Impaired Severely	...	0
Blind	...	0
Died from other causes	...	3
Still under Treatment	...	1
Treated at Hospital	...	5
Treated by Private Practitioners	...	12
Removed from District	...	1

Of the three deaths which occurred among these cases two were certified as due to Marasmus and one to Congenital Heart Disease.

Each certified Midwife is supplied with Argentum Collosol for application to the eyes of the newly born.

LECTURES.—During the winter the usual course of Lectures was given to the Midwives in the town, and the Nursing Staff. There is a good attendance at these Lectures which seem to be much appreciated, and I consider they have brought the Midwives into a closer association with Maternity and Child Welfare work and strongly recommend their continuation.

LECTURE I. November 23rd—"Eclampsia."

DR. LERTCH.  
Assistant Medical Officer of Health.

LECTURE II. December 7th—"Physiology of the Skin and the Hygiene of Clothing."

DR. CATHERINE CHISHOLME, B.A., M.D., Ch.B.  
Hon. Physician, Northern Hospital and Babies'  
Hospital, Manchester.

LECTURE III. January 18th—"Congenital Deformities of the Lower Extremity."

MR. POSTON, M.B., B.Ch., B.A.O.  
Surgeon, Ancoats, Manchester.





LECTURE IV. February 1st—"Respiratory Disorders of Infancy."

Dr. KING-MAY ATKINSON, M.B., Ch.B.  
Hon Assist. Medical Officer, Manchester Royal Infirmary.

LECTURE V. February 15th—"Surgical Cleanliness in relation to Midwifery."

Dr. GRAHAM, M.B., Ch.B., D.P.H.  
Assist. Medical Officer of Health and Assist. Tuberculosis  
Officer, Oldham.

LECTURE VI. March 1st—"Some Dangers of Childhood."

Dr. HILDA BRADE-BIRKS, M.Sc., M.B., Ch.B., D.P.H.,  
Medical Officer, Child Welfare, Salford.

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## *Public Health (Prevention of Tuberculosis) Regulations.*

No alteration in the scheme or method of working was instituted during the year. The scheme has been fully detailed in previous reports.

The X-Ray Apparatus fitted up at the Orthopædic Centre has been of the greatest value in the diagnosis of cases and increasing use is made of it.

The following tables, in the form prescribed by the Ministry of Health, give a summary of the cases and work of the Department during the year.



Summary of Notifications during the period from 1st January, 1928, to the 29th December, 1928, in the County Borough of Oldham.

NOTIFICATIONS ON FORM A.															NUMBER OF NOTIFICATIONS ON FORM C.	
Age-periods	Number of Primary Notifications.											Total Notifications on Form A.	Poor Law Institutions	Sanatoria		
	0	1	5	10	15	20	25	35	45	55	65					
	to	to	to	to	to	to	to	to	to	and						
	1	5	10	15	20	25	35	45	55	upwards						
	1	5	10	15	20	25	35	45	55	65						
Pulmonary Males	...	2	10	2	10	11	17	15	23	10	...	100	110	7	3	(86)
" Females	...	2	4	2	16	10	17	7	8	4	...	70	76	2	1	(52)
Non-pulmonary Males	...	4	9	3	3	1	3	0	2	...	...	25	29	2	...	(6)
" Females	...	3	9	4	3	2	5	2	2	...	...	32	35	3	1	(3)

SUPPLEMENTAL RETURN.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the period from the 1st January, 1928, to the 29th December, 1928, otherwise than by notification on Form A or B under the Public Health (Tuberculosis) Regulations, 1912.

Age-Periods	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and upwards	Total Cases
Pulmonary Males ...	...	...	1	...	1	1	1	1	2	2	...	3
" Females ...	...	...	...	...	...	1	...	1	1	...	...	3
Non-Pulmonary Males ...	...	...	...	...	1	...	...	...	...	...	...	1
" Females ...	...	1	...	...	1	1	2	...	...	...	...	6

The source or sources from which information as to the above-mentioned cases was obtained should be stated below:—

	SOURCE OF INFORMATION.		No. of Cases.	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Death Returns ...	...	...	...	7
" Inward " Transfers ...	...	...	12	...
Other Sources, viz : (Notified after death) ...	...	...	...	...





TABLE I.

Return showing the work of the Dispensary during the year 1928.

DIAGNOSIS.	PULMONARY.						NON-PULMONARY.						TOTAL.			
	Adults		Children		M.	F.	Adults		Children		M.	F.	M.	F.	M.	F.
	M.	F.	M.	F.			M.	F.	M.	F.						
A.—NEW CASES examined during the year (excluding contacts) :—																
(a) Definitely tuberculous	63	50	10	3			7	11	14	17	70	61	24	20		
(b) Doubtfully tuberculous	—	—	—	—			—	—	—	—	5	7	5	4		
(c) Non-tuberculous	—	—	—	—			—	—	—	—	42	29	36	31		
B.—CONTACTS examined during the year :—																
(a) Definitely tuberculous	7	1	—	3			—	—	2	1	7	1	2	4		
(b) Doubtfully tuberculous	—	—	—	—			—	—	—	—	—	—	—	—		
(c) Non-tuberculous	—	—	—	—			—	—	—	—	6	9	37	42		
C.—CASES written off the Dispensary Register as—																
(a) Cured	—	2	1	1			5	3	10	5	5	5	11	6		
(b) Diagnosis not confirmed or non-tuberculous (including cancellation of cases notified in error)	—	—	—	—			—	—	—	—	53	39	75	75		
D.—NUMBER OF PERSONS on Dispensary Register on December 31st :—																
(a) Diagnosis completed	354	163	38	32			77	79	63	55	431	242	101	87		
(b) Diagnosis not completed	—	—	—	—			—	—	—	—	2	3	2	3		

Item A (a) includes two cases previously removed from the Dispensary Register as "Cured." One a male adult previously a case of Peripheral Glands (previous to 1926 case) is now on the Register as a 1928 case of Other Organs. The other a male child previously Zones and Joints (previous to 1926 case) is now on the Register as a 1928 case of Peripheral Glands.



Table 1 — continued.

1. Number of persons on Dispensary Register on January 1st ... ..	880	9. Number of patients to whom Dental Treatment was given, at or in connection with the Dispensary ... ..	Nil
2. Number of patients transferred from other areas and of "lost sight of" cases returned ... ..	8	10. Number of consultations with medical practitioners:— (a) At Homes of Applicants ... .. (b) Otherwise ... ..	18 335
3. Number of patients transferred to other areas and cases "lost sight of" ...	89	11. Number of other visits by Tuberculosis Officers to Homes ... ..	96
4. Died during the year ... ..	101	12. Number of visits by Nurses or Health Visitors to Homes for Dispensary purposes ... ..	937
5. Number of observation cases under A (b) and B (b) above in which period of observation exceeded 2 months ...	A (b) 6	13. Number of— (a) Specimens of sputum, etc., examined (b) X-ray examinations made in connection with Dispensary work ...	specimens from M.I. Practitioners 100 134 204
6. Number of attendances at the Dispensary (including Contacts) ... ..	2088	14. Number of Insured Persons on Dispensary Register on the 31st December	592
7. Number of attendances of non-pulmonary cases at Orthopaedic Out-stations for treatment or supervision ... ..	66	15. Number of Insured Persons under Domiciliary Treatment on the 31st December ... ..	291
8. Number of attendances at General Hospitals or other Institutions approved for the purpose, of patients for— (a) "Light" treatment ... .. (b) Other special forms of treatment ...	926 —	16. Number of reports received during the year in respect of Insured Persons:— (a) Form G.P. 17 ... .. (b) Form G.P. 36 ... ..	41 889





**TABLE II.**  
**RESIDENTIAL INSTITUTIONS.**

(a) AVERAGE NUMBER OF BEDS AVAILABLE FOR PATIENTS DURING THE YEAR 1928.

	Observation.	Pulmonary Tuberculosis.		Non-Pulmonary Tuberculosis.		Total.
		"Sanatorium" Beds.	"Hospital" Beds.	Disease of Bones and Joints.	Other Conditions.	
Adult Males ... ..	1	16	10	1	—	28
Adult Females ... ..	1	12	9	—	1	23
Children under 15 ... ..	2	9	2	3	3	19
Total ... ..	4	37	21	4	4	70

b) RETURN SHOWING THE EXTENT OF RESIDENTIAL TREATMENT DURING THE YEAR 1928.

			In Institutions on Jan. 1.	Admitted during the year.	Discharged during the year.	Died in the Institutions	In Institutions on Dec. 31.
Number of Patients :	Adults	M.	23	71	59	10	25
		F.	15	39	26	12	16
	Children	M.	10	15	14	1	10
		F.	10	7	9	2	6
Number of Observation Cases :	Adults	M.	1	4	5	...	...
		F.	1	5	4	...	2
	Children	M.	2	5	6	...	1
		F.	2	6	4	...	4
Total ... ..	...	...	64	152	127	25	64

Included in this table in Column One as observation cases are one female adult, two male children, and two female children who were shown in the 1927 table as definite cases of tuberculosis in institutions on December 31st, but who have since been discharged as "Diagnosis not confirmed" in 1928.

These cases have also been regarded as observation cases for the purpose of inclusion in Table III.



TABLE III.

Return showing the immediate results of treatment of patients and of observation of doubtful cases discharged from Residential Institutions during the year 1928.

Classification on admission to the Institution.	Condition at time of discharge.	Duration of Residential Treatment in the Institution.									
		Under 3 months.		3-6 months.		6-12 months.		More than 12 months.		Total	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Class T.B. minus.	Quiescent ... ..	...	...	...	...	...	...	...	...	...	...
	Improved ... ..	15	...	4	...	1	...	1	...	46	...
	No material improvement ... ..	3	...	1	...	...	...	...	...	8	...
	Died in Institution ... ..	5	...	1	...	...	...	...	...	10	...
Class T.B. plus Group 1.	Quiescent ... ..	...	...	...	...	...	...	...	...	...	...
	Improved ... ..	...	...	...	...	1	...	...	...	6	...
	No material improvement ... ..	1	...	...	...	...	...	...	...	3	...
	Died in Institution ... ..	...	...	...	...	...	...	...	...	...	...
Class T.B. plus Group 2.	Quiescent ... ..	...	...	...	...	...	...	...	...	...	...
	Improved ... ..	1	...	1	...	1	...	...	...	8	...
	No material improvement ... ..	3	...	1	...	1	...	...	...	9	...
	Died in Institution ... ..	1	...	...	...	...	...	...	...	1	...
Class T.B. plus Group 3.	Quiescent ... ..	...	...	...	...	...	...	...	...	...	...
	Improved ... ..	...	...	...	...	...	...	...	...	4	...
	No material improvement ... ..	3	...	1	...	1	...	...	...	9	...
	Died in Institution ... ..	3	...	2	...	1	...	...	...	12	...

PULMONARY TUBERCULOSIS.









Annual Return showing in summary form the condition of all Patients whose case records are in the possession of the Dispensary at the end of 1928, arranged according to the years in which the patients first came under Public Medical Treatment for pulmonary tuberculosis, and their classification as shown on Form A.

Condition at the time of the last record made during the year to which the Return relates.	Previous to 1926.					1926.					1927.					1928.				
	Class T.B. plus.				Class T.B. minus	Class T.B. plus.				Class T.B. minus	Class T.B. plus.				Class T.B. minus	Class T.B. plus.				Class T.B. minus
	Group 1.	Group 2.	Group 3.	Total (Class T.B. plus).		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus).		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus).		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus).	
ALIVE :— Discharged as cured : Adults M. F. Children M. F.	16 23 2 2	1 ... ... ...	... ... ... ...	... 1 ... ...	16 23 2 2	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...
Disease arrested : Adults M. F. Children M. F.	16 10 2 3	4 ... ... ...	... ... ... ...	4 ... ... ...	16 10 2 3	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...	... ... ... ...
Disease not arrested : Adults M. F. Children M. F.	137 41 12 14	26 6 1 ...	6 8 ... 2	... 1 ... 2	137 41 12 14	27 13 14 9	3 2 1 ...	6 2 1 ...	9 4 2 ...	26 12 6 5	2 2 ... 1	7 4 ... 1	1 ... ... ...	10 6 ... 2	35 23 10 4	3 1 ... ...	11 5 ... ...	3 3 ... ...	17 9 ... ...	
CONDITION NOT ASCER- TAINED DURING THE YEAR. ... ..	48	4	...	4	48	1	...	...	...	1	1	...	...	1	...	...	...	...	...	...
LOST SIGHT OF OR OTHER- WISE REMOVED FROM DISPENSARY REGISTER	342	22	8	2	342	14	1	1	2	18	2	1	2	5	15	...	1	1	1	2
DEAD. Adults M. F. Children M. F.	550 303 35 45	11 3 ... ...	14 11 3 ...	63 48 1 2	550 303 35 45	23 12 1 3	11 3 ... ...	10 7 ... ...	7 5 1 ...	14 7 2 1	2 2 ... ...	9 6 ... ...	6 5 1 ...	17 13 1 ...	8 8 1 ...	1 1 ... ...	1 1 ... ...	3 5 ... ...	4 7 ... ...	
TOTALS	1601	78	52	117	247	117	21	27	13	61	92	12	28	15	104	5	19	15	39	





TABLE IV. - (b) NON-PULMONARY TUBERCULOSIS. - continued.  
 Annual Return showing in summary form the condition of all patients whose case records are in the possession of the Dispensary at the end of 1928, arranged according to the years in which the patients first came under Public Medical Treatment, and their classification as shown on Form A.

Condition at the time of the last record made during the year to which the Return relates.	Previous to 1926.					1926.					1927					1928				
	Bones & Joints	Abdo-minal	Other Org'ns	Peri-pheral Gl'nds	Total	Bones & Joints	Abdo-minal	Other Org'ns	Peri-pheral Gl'nds	Total	Bones & Joints	Abdo-minal	Other Org'ns	Peri-pheral Gl'nds	Total	Bones & Joints	Abdo-minal	Other Org'ns	Peri-pheral Gl'nds	Total
ALIVE.																				
Discharged as cured:																				
Adults M.	12	4	2	14	32															
F.	6	1	2	11	20															
Children M.	13	14	3	27	57															
F.	3	4	...	18	25															
Disease arrested:																				
Adults M.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
F.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Children M.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
F.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Disease not arrested:																				
Adults M.	8	2	2	3	15															
F.	6	2	3	6	17															
Children M.	11	7	3	10	31															
F.	9	4	2	7	22															
TRANSFERRED TO PULMONARY ... ..		1	1	1	3															
CONDITION NOT ASCERTAINED DURING THE YEAR ... ..	21	11	5	14	51															
LOST SIGHT OF OR OTHERWISE REMOVED FROM DISPENSARY REGISTER	128	39	39	124	330															
DEAD.																				
Adults M.	28	7	1	6	42															
F.	8	3	2	2	15															
Children M.	8	13	2	2	25															
F.	1	9	1	1	12															
Totals ... ..	262	121	68	249	700	16	14	15	12	57	19	14	5	20	58	12	15	9	16	52



1928

NEW CASES					DEATHS			
AGE PERIODS	PULMONARY		NON-PULMONARY		PULMONARY		NON-PULMONARY	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
0 to 1	...	...	...	2	...	...	...	...
1 to 5	2	2	4	4	...	...	...	1
5 to 10	11	4	9	9	1	1	...	2
10 to 15	2	2	3	4	...	1	..	...
15 to 20	11	16	4	4	3	20	2	2
20 to 25	12	11	1	3	5	9	2	3
25 to 35	18	17	3	6	14	9	1	3
35 to 45	16	8	..	4	14	5	2	3
45 to 55	25	9	2	2	17	8	2	...
55 to 65	12	4	...	...	7	1	...	1
65 and upwards	..	...	...	...	...	...	...	...
TOTALS	109	73	26	38	61	54	9	15
	182		64		115		24	

Pulmonary Tuberculosis—Proportion of deaths  
not notified under Regulations, during life ... 10·4

Non-Pulmonary Tuberculosis—Proportion of deaths  
not notified under Regulations, during life ... 29·1

Pulmonary & Non-Pulmonary Tuberculosis—Propor-  
tion of deaths not notified under Regulations,  
during life ... .. 13·6

The number of Primary Notifications, for 1927 were :—  
Pulmonary 178 ; Non-Pulmonary 69 ; Total number of  
Primary Notifications for 1927, 247.





The number of new cases ascertained otherwise than by notification during 1927 were :—Pulmonary 10 ; Non-Pulmonary 6 ; Total number of new cases ascertained otherwise than by notification during 1927, 16.

The number of deaths from Pulmonary Tuberculosis in 1927 were :—Pulmonary 104 ; Non-Pulmonary 22 ; Total number of deaths from Tuberculosis in 1927, 126.

### PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) REGULATIONS, 1925.

No action necessary with regard to tuberculous employees in the milk trade.

### PUBLIC HEALTH ACT 1925, Section 62.

No cases compulsorily removed to hospital.

### ATTENDANCES AT DISPENSARY.

	1926	1927	1928
Insured Persons and Ex-Service Men ... ..	1,167	1,369	1,096
Non-Insured ... ..	192	191	177
Children ... ..	739	733	815
Totals ... ..	<u>2,098</u>	<u>2,293</u>	<u>2088</u>

Number of New Cases sent to Dispensary by Private Practitioners, 143. Of these, 45 were found to be suffering from Tuberculosis and 98 were Non-Tuberculous.

Number of School Exemption Certificates furnished to Local Education Authority, 89.



The following list gives a summary of the principal occupations of patients notified for the first time to be suffering from Tuberculosis :—

Cotton Operatives	...	...	...	...	...	72
Ironworkers	...	...	...	...	...	29
Labourers	...	...	...	...	...	9
Housework	...	...	...	...	...	18
Other Occupations	...	...	...	...	...	41
School	...	...	...	...	...	42
No Occupation	...	...	...	...	...	16
Total						<u>227</u>

Number of Sputum Examinations—Positive	...	71
Do. do. —Negative	...	267
Total	...	<u>338</u>

Number of Reports to Ministry of Pensions :—				
To Area Office, Manchester ...	...	...	...	40
		Total	...	<u>40</u>

Total number of visits to homes by Tuberculosis Nurse, 1089.

## PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1924.

Number of cases of Tuberculosis remaining on the Registers of Notifications kept by the Medical Officer of Health of the County Borough, on the 31st December, 1928.

PULMONARY			NON-PULMONARY				Total Cases
Males	Females	Total	Males	Females	Total	...	
464	260	724	172	158	330	...	1054





## STRINESDALE SANATORIUM.

Patients admitted during 1928	...	...	...	76
Patients discharged during 1928	...	...	...	71
Patients died during 1928	...	...	...	4

Of the Patients discharged 7 showed no increase in weight.

The average increase in the weight of the remaining 64 was 11 lbs.

The maximum increase in weight of any one patient was  $34\frac{1}{2}$  lbs.

## WESTHULME HOSPITAL.

Patients admitted during 1928:	Own Patients	71
Patients from Lancashire County Council		11
Patients discharged during 1928:	Own Patients	53
Patients from Lancashire County Council		9
Patients died during 1928:	Own Patients	21
Patients from Lancashire County Council		4

## OUTSIDE INSTITUTIONS.

## ANCOATS HOSPITAL, MANCHESTER.

Patients admitted during 1928	...	...	1
Patients discharged	„	„	1

## ROYAL NATIONAL SANATORIUM, BOURNEMOUTH.

Patients admitted during 1928	...	...	1
Patients discharged	„	„	0

## SHROPSHIRE ORTHOPÆDIC HOSPITAL, OSWESTRY.

Patients admitted during 1928	...	...	2
Patients discharged	„	„	2



## DEATHS, 1928.

## Occupations of Patients who have died from Tuberculosis.

				Pulmonary	Non-Pulmonary
Cotton Operatives	...	...	47	...	13
Ironworkers	...	...	20	...	1
Labourers	...	...	5	...	...
Housework...	...	...	10	...	2
School	...	...	3	...	2
No-Occupation	...	...	5	..	2
Domestic Servants	...	...	4	...	1
Bakers	...	...	2	...	—
Carriage Joiner	...	...	1	...	—
Collier	...	...	1	...	—
Egg Dealer's Assistant	...	...	1	...	—
Engine Driver	...	...	1	...	—
Gas Stoker...	...	...	1	...	—
Hairdresser	...	...	1	...	—
Hawker	...	...	1	...	—
Insurance Agent	...	...	—	...	1
Journeyman Plumber	...	...	1	...	—
Licensed Victualler	...	...	1	...	—
Motor Drivers	...	...	2	...	—
Nun	...	...	1	...	—
Saddler	...	...	1	...	—
Seaman	...	...	1	...	—
Shop Assistants	...	...	2	...	—
Skip and Basket Maker	...	...	1	...	—
Slater	...	...	1	...	—
Tobacconist	...	...	—	...	1
Tripe Dresser	...	...	1	...	—
Tube Maker	...	...	—	...	1
Totals	...	...	115	...	24





## VENEREAL DISEASE.

The Scheme for treating the above disease remains the same as that given in previous reports.

The following figures give the number treated at the Infirmary during the last five years.

		SYPHILIS		GONORRHOEA		OTHER V. D. CASES	
		Males	Females	Males	Females	Males	Females
1924	...	176	114	176	33	6	1
1925	...	163	88	174	34	7	0
1926	...	152	95	182	34	2	0
1927	...	117	90	226	38	1	0
1928	...	135	88	256	43	1	0

The following Statistics summarise the work done during the past year :—

### NUMBER OF PERSONS UNDER TREATMENT.

	Jan. 1st		Treated during the Year.		Total	
	Males	F'mal's	Males	Females	Males	Females
Suffering from Syphilis .....	82	60	53	28	135	88
„ „ Gonorrhœa .....	154	25	102	18	256	43
„ „ Soft Chancre .....	0	0	1	0	1	0
„ „ Non-V'n'real Dise'ses .....	45	12	55	16	100	28
Total .....	281	97	211	62	492	159

In addition to the above, 54 Oldham persons were treated at the Venereal Centres in Manchester, making a total of 705 persons who were treated during the year.

Number of persons who ceased to attend without completing a course of Treatment at the Royal Infirmary :—

	MALES.	FEMALES.
Syphilis ... ..	7	13
Soft Chancre ... ..	0	0
Gonorrhœa ... ..	24	5



No. ceased to attend after Treatment but before completion of Treatment Tests :—

	MALES. FEMALES.	
Syphilis ... ..	28	18
Soft Chancre ... ..	0	0
Gonorrhœa ... ..	46	10

No. under Treatment at close of year 1928.

Syphilis ... ..	79	53
Gonorrhœa ... ..	170	28
Soft Chancre ... ..	1	0
Other Conditions ... ..	57	16

Total attendances of all Patients :—

Syphilis ... ..	1172	852
Soft Chancre ... ..	2	0
Gonorrhœa ... ..	5979	1304
Other conditions not V.D. ... ..	190	82

Aggregate number of Inpatient days :—

Syphilis ... ..	10	0
Gonorrhœa ... ..	24	44
Soft Chancre ... ..	0	0
Other Conditions ... ..	0	0

	Spirochetes	Gonococci	Others	Wasserman
Number of specimens examined at the Infirmary ... ..	10	173	14	0
Number of specimens sent to the Pathological Laboratory, Manchester ... ..	0	0	0	368
Total ... ..	10	173	14	368

Number of Oldham persons attending for the first time ....	183
Lancashire County ..	41
Yorkshire „ ...	9
Total ...	233





The total cost of Treatment during the financial year amounted to £1318 10s. 2d., which receipts from outside areas will reduce to about £1101 9s. 0d.

The total number of V.D. specimens examined at the laboratory at the Manchester University was 441 all for Wasserman Reaction of which 182 gave a positive reaction.

### PROPAGANDA.

From October 1st to October 7th a Health Week was again held and a considerable amount of propaganda work in relation to Venereal Disease was introduced at appropriate Lectures.

The Lectures were generally crowded especially the ones on Sunday Afternoon and Evening. The hall for these lectures holds over 2,000 people and many could not gain admission and had to be turned away. The attendance at the V.D. Centre increased during the weeks following the lectures.

Dinner hour addresses were given at some of the works during the week.

There was also an Exhibition of Materials relating to Hygiene and Infant Welfare in the Town Hall which was frequently crowded.



## *Infectious Diseases.*

---

The following Table gives the number of cases of Infectious Diseases notified during the year, and the deaths registered as the result of these diseases.

DISEASE.	NOTIFICATIONS.	DEATHS.
Small-pox ... ..	31 .....	0 ✓
Scarlet Fever ... ..	279 .....	1 ✓
Diphtheria ... ..	288 .....	35 ✓
Erysipelas ... ..	86 ... .	1 ✓
Enteric Fever ... ..	1 .....	0 ✓
Puerperal Fever... ..	20 ... .	11
Puerperal Pyrexia ... ..	11 .....	0
Tuberculosis ... ..	247 .....	139
†Pneumonia ... ..	196 .....	138
Cerebro Spinal Meningitis... ..	2 ... .	2 ✓
Infantile Paralysis ... ..	1 .....	0
Ophthalmia Neonatorum ... ..	17 .....	0
Encephalitis Lethargica ... ..	7 .....	4
Malaria ... ..	1 ... .	0
Dysentery ... ..	0 .....	0 ✓
*Measles and German Measles ... ..	920 ... .	9 ✓
*Whooping Cough ... ..	249 .....	4 ✓
*Chicken Pox... ..	521 .....	0

\* Notified from Schools, &c.

† Includes Broncho-Pneumonia.

There were also 5 deaths attributed to Diarrhœa, and all of these deaths occurred in children under the age of one year. Influenza was credited with causing 49 deaths, 6 deaths were certified as due to Syphilis and 20 to General Paralysis of the Insane, usually caused by this disease.





Attack rates per 1,000 of the population :—

	England & Wales			Oldham		
Small-pox ... ..	0·32	...	...	0·24	...	...
Scarlet Fever ... ..	2·61	...	...	2·99	...	...
Diphtheria .... ..	1·55	...	...	2·35	...	...
Enteric Fever ... ..	0·09	...	...	0·00	...	...
Puerperal Fever ... ..	0·06	...	...	0·16	...	...
Puerperal Pyrexia ... ..	0·14	...	...	0·07	...	...
Erysipelas ... ..	0·42	...	...	0·33	...	...

The death rates per 1,000 of the population from the principal Infectious Diseases was as follows :—

	England and Wales			107 Large Towns			Oldham
Scarlet Fever ... ..	0·01	...	...	0·02	...	...	0·00
Diphtheria ... ..	0·06	...	...	0·09	...	...	0·27
Enteric Fever ... ..	0·01	...	...	0·01	...	...	0·06
Puerperal Fever ... ..	—	...	...	—	...	...	0·08
Measles ... ..	0·11	...	...	0·15	...	...	0·07
Whooping Cough ... ..	0·07	...	...	0·09	...	...	0·03
Influenza ... ..	0·19	...	...	0·17	...	...	0·38
Diarrhœa & Enteritis. (Under 2 years)	7·0	...	...	9·6	...	...	0·11

### SMALL-POX.

Thirty one cases were notified during the year involving eighteen homes—four cases occurred in one house, three in each of two others, two cases in six other and the remainder with one case in a house.

All the cases were of the mild type, though in some the rash was somewhat profuse, but there appeared to be no tendency to develope into the old virulent type.



The ages varied from 3 years to 66 years, only four had been vaccinated previous to exposure to infection. These four had been vaccinated in infancy and their ages were respectively, 26, 52, 53 and 54 years.

The infection appears to have been introduced into the town on at least three occasions. The first case had been working in a town where "Chicken Pox" was said to be prevalent among the workpeople, and in two instances the first case in a family was not recognised until the secondary case occurred.

### VACCINATION.

The following returns for the past three years indicate the prevalence of Vaccination in the Borough. In the Borough only 18 per cent of the children born were successfully vaccinated. This is the lowest percentage yet recorded. In the Oldham Union it was 20 per cent.

	1925	1926	1927
Number of Births ... ..	2266	2310	2102
Successfully Vaccinated ... ..	407	444	379
Died Unvaccinated ... ..	162	158	173
Insusceptible ... ..	0	0	0
Postponed by Medical Certificate	0	0	0
Left the District ... ..	31	32	5
Not Accounted for ... ..	46	43	14
Percentage successfully Vaccinated	19	19	18

### SCARLET FEVER.

This disease has been more prevalent than in the previous year but generally has been of a very mild type and there is every probability that several cases were missed.





Only one death occurred out of 279 cases. The fatal case was that of a young woman and the death was not due to Scarlet Fever, though as she contracted this disease the death had to be ascribed to it. Scarlet Fever had very little effect in causing the death. The disease was prevalent throughout the year and the south side of the town was most affected.

### ENTERIC FEVER.

Two cases were notified but one was subsequently cancelled.

The one case which proved fatal was that of a child aged 13 years. No information could be obtained which gave any indication of the source of the infection.

### DIPHTHERIA.

This disease has again shown an increase, no less than 288 cases having been notified compared with 205 and 140 in the previous two years. There has also been a large number of deaths, 35 compared with 17 in the previous year. The disease appears to have been rather more virulent, the percentage of deaths being 12·1 against 5·8.

Out of the 288 cases notified 225 were removed to Westhulme Hospital for treatment. Although the more severe cases were removed to hospital the percentage of deaths is rather less, 11·2.

The cases were distributed throughout the year and though the disease was more prevalent in March, April, June and November, there was no special incidence of the disease at one period.



As regards the distribution in the town, cases were notified from all the Wards. The Wards with the largest number of cases were Westwood, St. Paul's, Clarksfield and Waterhead, while St. Mary's and St. Peter's had very few cases.

On several occasions inquiries and investigations into the association of schools were made, but generally there was little inclination that the schools had much influence in causing the prevalence except that the larger proportion of cases were school age. A large number of cases were in children under school age. In January more than half the cases were not connected with any school and the same incidence occurred again in November.

In three instances the infection appeared to come from certain schools. These schools were visited and the children in the classes associated with the cases examined and Swabs taken of those showing any unusual condition but in only one instance was a positive Swab obtained.

The question of establishing a scheme for Schick testing and immunisation has been considered, but from enquiries made, this method of dealing with the disease as a public measure does not appear to have been very successful, though in private schools it has been eminently so.

With the present staff it would be impossible to carry out even a very limited scheme and it is doubtful if a population, which refuse the certain protection of vaccination against Smallpox, would be at all likely to avail themselves of a less certain measure.

Every case notified is visited and particulars obtained, and the necessary disinfection carried out, and in several instances school rooms have been sprayed in order to allay the anxiety of those associated with them.





Anti-Toxin is available for the initial dose either day or night at the Central Police Station and a sterilized syringe can also be obtained on loan at the same time so as to avoid any delay.

Since the Ambulance has been kept at the Hospital, in most cases the patient can be admitted into the Hospital quicker than the Anti-Toxin can be obtained and administered and comparatively few practitioners have applied for it.

The measures taken do not appear to be at all successful in preventing the disease and its prevalence is, in my opinion, the most unsatisfactory aspect of disease in the town.

In many cases also, parents have delayed sending for the Medical Attendant for several days and the children when seen have already reached a very dangerous condition.

### POLIOMYELITIS.

One case of Infantile Paralysis was notified during the year. The child aged one year had been in a Hospital outside the Borough for 3 months suffering from Empyema and had only been discharged 3 days before being notified as suffering from the above disease. The child returned to Hospital.

### ERYSIPELAS.

Eighty-six cases were notified during the year and one death resulted.

The fatal case was that of a man aged 79 years who had a septic wound of the scalp caused by an accidental fall. The case was not notified until after death.

### ENCEPHALITIS LETHARGICA.

Seven cases were notified and four deaths were attributed to this disease during the year.



One of the notified cases was admitted to hospital and though fatal, the death was not considered to be due to Encephalitis.

One of the other notified cases was also fatal.

Three deaths were certified as due to Encephalitis but were not notified as such during life.

The sex and ages were as follows:—

No.	Sex	Age	Ward	Month
1	Female	54	Hartford	February
2	Male	22	Waterhead	April
3	Female	26	Werneth	June
*4	Male	63	St. Mary's	June
5	Female	15	Hartford	July
6	Male	32	St. James's	August
*7	Male	63	Hollinwood	August
*8	Male	64	Waterhead	August
9	Male	52	St. Mary's	September

\* Not Notified.

The no. of cases during the last five years is as follows:—

	Cases	Deaths
1924	35	12
1925	11	9
1926	12	10
1927	15	11
1928	7	4

### PUERPERAL FEVER AND PYREXIA.

Twenty cases of Puerperal Fever and eleven cases of Puerperal Pyrexia were notified during the year and the deaths totalled eleven. Taking the births, both live and still births, this gives a mortality rate of 5 per 1000 births. This rate, however, is not a true one as some of the cases followed abortion of which there is no estimate of the number.





Three of the births resulting in the notification took place in the Oldham Royal Infirmary and six in the Poor Law Hospital, of the latter, three cases were from outside districts. One case of Pyrexia occurred in the Maternity Home. This patient had been under the care of the Medical Attendant for the previous nine months, and the condition was not due to Sepsis.

Seventeen cases were midwives cases and five, apart from those occurring in hospital, were attended throughout by a Doctor.

In only two instances were there more than one case in the practice of the same midwife.

All cases except those occurring in hospital were enquired into and any necessary measures as regards the midwife or bedding, carried out.

## DISINFECTION.

The same arrangements exist as in previous years, viz: a central depot with Steam Disinfector, Removal Van, Cleansing Baths, etc., and a small Disinfector (current steam) at the Infectious Disease Hospital.

## HOSPITALS.

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### WESTHULME HOSPITAL.

The General Infectious Disease Hospital for the Borough. It is a training school for the Fever Nursing Certificate. Cases are received from the Guardians and if there are beds available, from the surrounding Districts of Chadderton, Crompton, Royton, Lees, Failsworth and Saddleworth.



The following is a summary of the cases admitted during last year and this :—

DISEASE	1927		1928	
	CASES	DEATHS	CASES	DEATHS
Measles ... ..	23	2	7 ...	1
Scarlet Fever ... ..	185	0	256 ...	2
Diphtheria ... ..	213	16	276 ...	31
Enteric ... ..	7	2	6 ...	3
Erysipelas ... ..	2	0	0 ...	0
Tuberculosis ... ..	98	23	82 ...	25
Chicken-pox ... ..	0	0	1 ...	0
Malnutrition ... ..	15	0	0 ...	0
Cross Infections ... ..	2	1	3 ...	2
Encephalitis Lethargica ...	0	0	1 ...	1
Cerebro Spinal Meningitis ...	2	2	1 ...	1
Total ...	547	46	638 ...	66

### STRINESDALE SANATORIUM.

During the year 76 cases were admitted, and 4 died.

The administrative portion is gradually becoming more deteriorated.

### RACEFIELD SMALLPOX HOSPITAL.

The cases of Smallpox which occurred during the year were sent to Hartshead Hospital as the above Hospital is let to the County Council for the treatment of Tuberculosis.

Thirty cases were dealt with there.





## CORONER'S COURT.

The Coroner has kindly supplied me with particulars of the inquests held during the past year as follows :—

	MALES	FEMALES	TOTAL
Deaths reported to the Coroner	216	163	379
Inquests ... ..			
Verdicts—Suicide ... ..	17	4	21
Accidents, etc. ...	62	29	91
Natural Causes ...	39	38	77
Open Verdicts ... ..	7	3	10
Adjourned ... ..	0	1	1

One inquest was on a child suffocated while in bed with her parents and three inquests on newly born children.

The adjourned case subsequently resulted in an acquittal for manslaughter but the person charged pleaded guilty to an indictment for procuring abortion.

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## CANCER.

The total deaths from this disease show a slight decrease there being 216 deaths attributed to this disease compared with 219 in the previous year. The deaths in the last five years were as follows :—

1924	...	...	...	208
1925	...	...	...	201
1926	...	...	...	233
1927	...	...	...	219
1928	...	...	...	216



The Organs primarily affected in the deaths during the past year are tabulated below :—

	Males	Females	Cotton Oper'tives	Spinners	Iron Workers	Other Manual Occups.	Non- Manual Occups.	No Occupn.
Digestive Organs—								
Stomach	25	28	4	3	6	10	5	25
Liver	8	10	3	—	1	2	3	9
Intestines	16	18	6	—	3	4	6	15
Esophagus	2	1	1	—	1	—	—	1
Pancreas, &c.	4	1	1	—	1	1	1	1
Female Generative Organs—								
Breast	—	19	2	—	—	2	—	15
Uterus	—	21	—	—	—	—	—	21
Ovary	—	2	—	—	—	—	—	2
Cervix	—	2	—	—	—	—	—	2
Miscellaneous—								
Tongue	1	1	—	—	—	1	1	—
Jaw	6	—	—	—	1	4	1	—
Larynx	6	—	—	1	1	2	2	—
Bladder	—	3	—	—	—	—	—	3
Heart	1	—	1	—	—	—	—	—
Scrotum	6	—	1	5	—	—	—	—
Prostate	2	—	—	—	2	—	—	—
Bone	1	—	—	—	—	—	1	—
Lungs	2	2	—	—	—	1	1	2
Rectum	11	6	—	—	—	6	5	6
Sundry	8	3	—	1	—	7	—	3
Totals	99	117	19	10	16	40	26	105

## BACTERIOLOGY.

All Specimens for Bacteriological Examination except Sputum are sent to the Public Health Laboratory at Manchester University.





Microscopic Examinations in connection with the Venereal Diseases are examined at the Royal Infirmary in connection with the Clinic but Specimens for the Wassermann Reaction are also sent to the Manchester University.

The following Specimens were sent from the Health Department during the year:—

	Number	Positive	Negative
Diphtheria Swabs	330	30	300
Typhoid Fever	7	0	7
Tuberculosis (Milk)	1	1	0
Cerebro Spinal Fluid	1	—	—
Fæces and Urine	4	—	—
Malaria	1	—	—



# *The Orthopædic Institute.*

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The Isabella Greenhalgh Orthopædic Institute has now been in use over 2 years, and a fuller report is now able to be given as to the year's work.

The Institution contains three mercury vapour lamps for giving treatment by Artificial Sunlight, Radiant Heat Apparatus, Electrical Appliances and X-Ray Apparatus.

The result of treatment has, in the great majority of instances, been most satisfactory and the generous gift of Mr. Richard Greenhalgh has resulted in great benefit for a large number of persons suffering from various diseases. The Orthopædic Surgeon (Mr. Poston) comes once a fortnight to see the orthopædic cases and to recommend the necessary treatment.

With regard to the Sunlight treatment the School Medical Officer visits the Centre every Thursday afternoon to watch the treatment of school children and others and to make records of their condition and the result of treatment.

The Maternity and Child Welfare cases are sent mainly by the Medical Officer engaged for Maternity and Child Welfare work, the Tuberculosis cases by the Assistant Tuberculosis Officer and these cases return at regular intervals to either ~~the~~ the Maternity and Child Welfare Centres, or to the Tuberculosis Dispensary, where they can be seen by the official who has sent them.

The private cases are passed for treatment by the Medical Officer or his Deputy. In this way every case is sanctioned by one of the Medical Officers of the Department,





and the Assistant in charge of the centre is not allowed to give treatment without this sanction. The necessity of this has been obvious in more than one case, as treatment by Artificial Sunlight of some of the cases sent for this would undoubtedly have been dangerous and possibly in one or two instances been fatal.

The X-Ray apparatus has been exceedingly valuable in the diagnosis, not only of the Orthopædic cases but especially of the Tuberculosis cases and one hardly realises how it was possible to do the work satisfactorily before the use of this apparatus was available. The Radiograms are taken by the Assistant Tuberculosis Officer and are increasing very considerably in number, and it will be necessary in the near future to appoint someone who can carry out the developing, &c, in this work.

The one drawback with the Institution is that it is not in such a central position as could be desired. Perhaps in the near future the Orthopædic Work, Maternity and Child Welfare Work and Tuberculosis Work will be able to be closer associated. As regards results they are tabulated in the Tables given below but the following few remarks will show the value of Light Treatment.

In Rickets specially in children, before the fixed deformity has occurred, the results have been really remarkable. In many cases after a very few treatments improvement has been considerable. 72 out of 96 cases treated by Artificial Sunlight have shown a very great improvement. It is to be regretted that a considerable proportion of these cases discontinued treatment before they were completely cured.

Bronchitis : out of 10 cases submitted to Artificial Sunlight 9 were very much improved and 1 discontinued treatment.



In Tuberculosis of the abdomen, 9 cases out of 15 treated might be considered practically cured, three are still under treatment. In Tuberculosis of the glands, the 22 cases which have been treated are much improved and 11 may be considered quite cured. With regard to Lupus 3 out of 11 cases are fully cured and 6 others are well on the way towards recovery.

In Debility, Malnutrition, Neurasthenia and other Debilitating diseases, there has been a very considerable improvement in a great majority of cases, 59 cases out of 71 showing considerable improvement, and in children suffering from Malnutrition the effect is very beneficial, resulting in very rapid signs of improvement.

Arrangements have been made during the year to send Orthopædic cases to Biddulph Orthopædic Hospital and Tubercular cases to Shropshire Orthopædic Hospital, but the number of cases sent away so far has been very small.

The number of Radiograms taken of Orthopædic cases are 77 and of Tubercular cases, 210.

The total number of cases who attended at the Centre during the year was 424. The following table gives the number of cases, who received treatment from each Department, and the second table shows the results in the principal groups of disease.





TABLE No. 1.

## NUMBER OF PATIENTS TREATED.

	M. & C. W.	School	Tubercular	Private	Total.
Rickets ... ..	76	17	—	8	101
Bronchitis ... ..	2	4	2	4	12
Paralysis ... ..	5	12	1	4	22
Debility, Malnutrition and Neurasthenia	29	17	1	24	71
Neuritis ... ..	—	—	1	9	10
Catarrh ... ..	—	—	—	6	6
Arthritis ... ..	—	—	—	21	21
Deformities ... ..	3	3	—	13	19
Alopecia ... ..	—	—	—	3	3
Asthma ... ..	—	—	—	2	2
T. B. Abdomen... ..	1	1	12	1	15
.. „ Hip ... ..	—	2	4	1	7
.. „ Spine ... ..	3	2	7	—	12
.. „ Knee ... ..	—	1	2	—	3
.. „ Bone ... ..	—	—	13	—	13
Enlarged Glands ... ..	1	1	15	5	22
Skin Diseases ... ..	—	—	—	4	4
Sciatica ... ..	—	1	—	3	4
Lupus... ..	—	1	11	—	12
Whooping Cough ... ..	—	1	—	—	1
Chorea ... ..	—	1	—	—	1
Sundries ... ..	7	—	8	6	21
	—	—	—	—	—
	127	64	77	114	382









## VITAL STATISTICS.

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**POPULATION.** The Registrar General's estimate of the population has this year been increased from 141,400 to 143,200 and the general rates have been calculated on this figure. As there is no means of allotting these figures to the various Wards the Ward rates have been calculated on the Census figures.

With the exception of the Infantile Mortality rate, most of the statistics are only of a relative value.

**BIRTHS.** There is again a decrease in the number of births there being only 2,044 compared with 2,095 in the previous year, and there were 20 fewer births than deaths. A lower number of births than deaths has only occurred previously in the war years of 1917-8-9. The rate of 14.1 is the lowest on record except for 1918 when it was 13.8 per 1,000 of the population.

The rates on the Census figures give as usual the lowest rate in St. Peter's Ward and the very high rate in Westwood Ward is due to the fact that the Poor Law Institution is in this Ward.

The rates for Coldhurst and Waterhead Wards are influenced by the transfer of the people from the cleared slum area in the former Ward to the Housing Estate in the latter.

**DEATHS.** The total number of deaths was 2,064 giving a rate on the estimated population of 14.4 per 1,000 the same as last year.



The highest rate was in Waterhead Ward but this rate is simply a statistical record as a large number of new houses have been erected in this Ward, and the population has very considerably increased from the Census figure.

The following figures allow a comparison of the Oldham rates with other areas and with other industrial towns:—

	Birth Rate	Death Rate	Infantile Mortality Rate
England and Wales...	16·7	11·7	65
107 Great Towns ...	16·9	11·6	70
156 Smaller Towns ...	16·6	10·6	60
Oldham ... ..	14·1	14·4	88
Blackburn...	13·8	12·2	80
Bolton ... ..	14·3	12·8	64
Burnley ... ..	15·0	13·4	79
Bury ... ..	13·0	13·9	90
Liverpool ... ..	22·1	13·2	94
Manchester ... ..	16·8	12·9	91
Preston ... ..	15·1	12·5	91
Rochdale ... ..	13·8	14·2	75
St. Helens...	21·8	12·0	98
Salford ... ..	16·9	13·3	106
Warrington ... ..	19·7	11·1	64





The following table gives the death rates from certain specified diseases in the various Wards calculated on the Census figures. This table formerly gave a very valuable comparison but owing to the changes of population is of much less value.

Ward	Infectious Diseases			Tuberculosis		Respiratory Diseases			Diarrhoea and Enteritis	Deaths under one year per 1,000 births
	Measles	Whooping Cough	Diphtheria	Pulmon'y	Other Forms	Influenza	Bronchitis	Pneumonia	Under 2 years	
St. Mary's ...	...	...	0.09	1.0	0.1	0.2	2.1	1.09	...	99
St. Peter's ...	...	...	0.2	0.8	0.08	0.08	1.2	1.1	0.2	55
Werneth .....	...	0.2	...	0.6	0.08	0.5	1.3	0.7	...	76
Westwood ...	0.1	...	0.2	0.7	0.1	0.3	2.0	1.07	0.1	33
St. Paul's ...	0.06	0.06	0.1	0.6	0.1	0.1	1.07	0.6	0.06	68
Coldhurst ..	0.09	...	0.2	1.2	0.1	0.4	2.3	1.2	0.09	139
Hartford .....	...	...	0.3	0.5	0.07	0.3	1.2	0.9	0.07	97
Hollinwood...	...	...	0.2	0.7	0.4	0.4	1.3	1.0	...	64
Clarksfield ...	0.3	...	0.4	0.1	0.3	0.2	1.4	0.7	0.06	78
Mumps ...	...	...	0.3	0.7	0.2	0.3	1.8	1.0	...	113
St. James's ..	...	...	...	0.9	0.09	1.4	1.2	0.9	0.09	117
Waterhead ...	0.07	...	0.4	1.0	0.07	0.3	1.9	0.8	0.2	135
Borough	0.06	0.02	0.2	0.8	0.1	0.3	1.6	0.9	0.09	88



## VITAL STATISTICS, 1928.

### SUMMARY.

Population estimated by the Registrar General to  
the middle of the year ... .. 143,200

Nett Births registered in the 52 weeks ending  
December 29th, 1928... Males ... 1,026 }  
Females ... 1,018 } 2,044

Nett Deaths registered in the 52 weeks ending  
December 29th, 1928... Males ... 988 }  
Females ... 1,076 } 2,064

Deaths from the seven principal Zymotic diseases 70

Deaths under 1 per 1,000 Births ... .. 88

Annual Rate of Births per 1,000 living population 141

Annual Rate of Mortality from all causes per 1,000  
living population ... .. 143

Annual Rate of Mortality per 1,000 living popula-  
tion from the seven principal Zymotic diseases 61

Of the 2,064 deaths registered during the year 1928  
267 or 12.9 per cent. were those of children under 5  
years of age.

### PRINCIPAL CAUSES OF DEATHS

Bronchitis ... ..	239	Debility, &c. ... ..	31
Pneumonia ... ..	138	Cancer ... ..	21
Phthisis ... ..	115	Convulsions ... ..	1
Heart Disease... ..	258	Diarrhoea... ..	2
Measles ... ..	9	Premature Birth ... ..	6
Apoplexy, &c.... ..	174	Whooping Cough ... ..	3
Diphtheria ... ..	35	Accidents... ..	5





TABLE No. 1.  
HOUSES BUILT IN THE BOROUGH.

YEAR.				No. OF HOUSES BUILT.
March, 1898, to March, 1899	...	...		455
" 1899	" 1900	...	...	608
" 1900	" 1901	...	...	543
" 1901	" 1902	...	...	439
" 1902	" 1903	..	...	375
" 1903	" 1904	...	...	357
" 1904	" 1905	...	...	242
" 1905	" 1906	...	...	185
" 1906	" 1907	...	...	169
" 1907	" 1908	...	...	210
" 1908	" 1909	...	...	283
" 1909	" 1910	...	...	443
" 1910	" 1911	...	...	453
" 1911	" 1912	...	...	283
" 1912	" 1913	...	...	288
" 1913	" 1914	...	...	283
" 1914	" 1915	...	...	212
" 1915	" 1916	...	...	85
" 1916	" 1917	...	...	16
" 1917	" 1918	...	...	2
" 1918	" 1919	...	..	1
" 1919	" 1920	...	...	4
" 1920	" 1921	...	...	27
" 1921	" 1922	...	...	29
" 1922	" 1923	...	...	318
" 1923	" 1924	...	...	42
" 1924	" 1925	...	...	84
" 1925	" 1926	...	...	179
" 1926	" 1927	...	...	189
" 1927	" 1928	...	...	396
" 1928	" 1929	...	...	348



TABLE No. 2.

INFANTILE MORTALITY DURING THE YEAR 1928.  
DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER  
ONE YEAR OF AGE.

CAUSE OF DEATH	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under 1 year
All Causes { Certified ... ..	..	..	..	..	..	..	..	..	..	..
{ Uncertified ... ..	..	..	..	..	..	..	..	..	..	..
Small-Pox ... ..	..	..	..	..	..	..	..	..	..	..
Chicken-Pox ... ..	..	..	..	..	..	..	..	..	..	..
Measles ... ..	..	..	..	..	..	..	1	..	3	4
Scarlet Fever ... ..	..	..	..	..	..	..	..	..	..	..
Whooping Cough ... ..	..	..	..	..	..	..	..	1	..	1
Diphtheria and Croup ... ..	..	..	..	..	..	..	..	..	1	1
Erysipelas ... ..	..	..	..	..	..	..	..	..	..	..
Tubercular Meningitis ... ..	..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis ... ..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases... ..	..	..	..	..	..	..	..	..	..	..
Meningitis ( <i>not Tuberculous</i> ) ... ..	..	..	..	..	..	..	..	..	1	1
Convulsions ... ..	2	1	1	2	6	4	1	..	..	11
Laryngitis ... ..	..	..	..	..	..	..	..	..	..	..
Bronchitis ... ..	..	..	1	1	2	3	2	4	2	13
Pneumonia (all forms) ... ..	..	1	..	..	1	2	5	6	5	19
Diarrhoea ... ..	..	..	..	..	..	2	1	..	2	5
Enteritis ... ..	..	..	..	..	..	4	3	..	..	7
Gastritis ... ..	1	..	..	..	1	..	..	..	..	1
Syphilis ... ..	..	..	1	1	2	2	..	..	..	4
Rickets ... ..	..	..	..	..	..	..	..	..	..	..
Suffocation, overlying ... ..	..	..	..	..	..	1	..	..	..	1
Injury at Birth ... ..	..	..	..	..	..	..	..	..	..	..
Atelectasis ... ..	3	..	..	..	3	..	..	..	..	3
Congenital Malformations ... ..	4	1	..	..	5	..	1	..	1	7
Premature Birth ... ..	40	7	6	1	54	5	1	1	..	61
Atrophy, Debility and Marasmus ... ..	7	2	3	3	15	9	1	3	2	30
Other Causes ... ..	3	..	1	..	4	3	2	2	1	12
TOTALS.....	60	12	13	8	93	35	18	17	18	181









TABLE No. 6.—Showing Population, Births and Birth Rates, Deaths and Death Rates.—1928.

WARD.	Census Population 1921	Area in Acres.	Density (Persons to an Acre).	BIRTHS.			Birth Rate per 1,000 Population.	DEATHS.			Death Rate per 1,000 Population.
				Males.	Females.	Total.		Males.	Females.	Total.	
St. Mary's .....	10,986	124	87.9	79	82	161	14.6	84	84	168	15.2
St. Peter's .....	11,562	284	37.5	61	47	108	9.3	64	84	148	12.0
Werneth .....	12,113	264	44.5	87	70	157	12.9	75	84	160	13.2
Westwood .....	14,888	281	51.8	195	170	365	24.5	95	94	189	12.6
St. Paul's ..	14,863	485	32.7	99	91	190	12.7	71	79	150	10.0
Coldhurst .....	10,583	143	69.4	59	63	122	11.5	79	74	153	14.4
Hartford .....	13,133	202	63.5	71	72	143	10.8	82	79	161	12.2
Hollinwood.....	9,915	417	23.6	63	76	139	14.0	60	67	127	12.8
Clarksfield .....	15,824	652	24.9	91	100	191	12.0	97	113	210	13.2
Mumps .....	8,583	135	59.5	63	69	132	15.3	76	59	135	15.7
St. James' .....	11,205	967	11.3	67	61	128	11.4	66	78	144	12.8
Waterhead .....	13,205	781	17.2	97	110	207	15.6	94	137	231	17.4
Transferred Births and Deaths	...	..	...	-6	+7	+1	...	+44	+44	+88	...
Registrar General's Estimate.....	143,200	4,735	30.6	1,026	1,018	2,044	14.1	988	1,076	2,064	14.4

The Population of the Wards are Census numbers.





TABLE NO. 9.—FOR WHOLE DISTRICT.

YEAR.	Population estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Institutions in the District.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of residents beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number	Rate.	Under 1 Year of Age.	At all Ages.		Number				Rate.	
					Number	Rate per 1,000 Births register'd						
												5
1	2	3	4	5	6	7	8	9	10	11	12	13
1917	...	2150	14.4	238	110	2298	17.2	701	229	67	2136	16.0
1918	...	2057	13.8	243	118	3036	22.8	828	287	72	2821	21.1
1919	...	2246	15.7	213	95	2390	17.2	438	225	56	2221	16.0
1920	143,154	3372	23.6	355	105	2285	16.0	451	205	60	2140	15.0
1921	148,300	3136	21.3	341	109	2333	15.9	397	207	52	2178	14.8
1922	148,300	2835	19.3	301	106	2531	17.2	537	256	57	2332	15.8
1923	147,500	2617	17.8	289	110	2560	17.4	527	264	56	2352	16.0
1924	147,300	2433	16.3	260	107	2226	14.9	416	237	56	2045	13.7
1925	146,200	2279	15.5	236	103	2376	16.1	522	255	65	2156	14.8
1926	143,000	2338	16.1	241	103	2565	17.7	590	805	68	2328	16.0
Averages for years 1917-1926	.....	2546	17.4	272	106	2460	17.2	541	247	61	2274	15.9
1927	141,409	2095	14.6	181	86	2249	15.7	543	281	86	2054	14.4
1928	143,200	2044	14.1	181	88	2289	15.9	905	300	88	2064	14.4

At CENSUS OF 1921.—Total population at all ages, 145,001. Number of inhabited houses, 34,781.  
Area of District in Acres, 4,735.  
Average number of persons per house, 4.26.





TABLE No. 10.

Showing the Birth-rates, also Rates of Mortality from all causes, from the seven principal Zymotic Diseases, and from Phthisis, Bronchitis, and Pneumonia, during the years 1897-1928

Year	Population	RATES PER 1,000 POPULATION FROM						Deaths under 1 year to 1000 births
		Births	Deaths all causes	7 principal Zymotic Diseases	Phthisis	Bronchitis	Pneumonia	
1897	135,045	28.2	20.7	2.7	1.7	2.0	2.2	183
1898	135,617	27.7	19.2	2.4	1.7	2.1	2.2	174
1899	136,210	27.5	22.7	2.4	1.6	2.8	2.6	198
1900	136,797	27.1	22.0	2.7	1.9	2.8	2.3	173
1901	137,382	24.6	19.7	2.5	1.6	2.2	2.2	173
Average 5 y'rs		27.0	20.9	2.5	1.7	2.4	2.3	180
1902	138,091	26.1	19.1	2.0	1.5	2.1	2.0	148
1903	138,786	25.6	18.6	2.4	1.6	2.4	1.6	160
1904	139,497	24.9	18.3	2.3	1.4	2.2	1.5	155
1905	140,225	24.3	18.1	2.1	1.5	1.9	1.6	150
1906	140,969	26.9	18.8	2.8	1.3	1.7	1.6	146
Average 5 y'rs		25.5	18.6	2.3	1.4	2.0	1.6	152
1907	141,730	26.5	19.3	1.5	1.6	2.5	1.9	144
1908	142,507	28.4	20.1	2.6	1.5	2.2	1.5	159
1909	143,301	27.4	19.0	1.1	1.4	2.2	1.8	119
1910	146,700	25.2	16.7	1.8	1.1	1.7	1.5	127
1911	147,751	24.4	18.2	2.5	1.2	1.7	1.5	159
Average 5 y'rs		26.4	18.6	1.9	1.3	2.0	1.6	141
1912	148,840	22.9	16.3	1.3	1.3	1.8	1.3	117
1913	149,936	23.2	17.1	1.4	1.2	2.0	1.3	139
1914	151,044	23.0	17.8	2.5	1.2	1.9	1.4	136
1915	141,781	20.8	18.0	1.0	1.4	2.3	1.6	126
1916	*136,126	17.8	16.7	0.9	1.3	1.8	0.9	122
Average 5 y'rs		21.5	17.2	1.4	1.3	1.9	1.3	128
1917	*133,721	14.4	16.0	0.8	1.3	2.1	1.3	110
1918	149,285	13.8	21.1	1.0	1.2	2.7	2.3	118
1919	.....	15.7	16.0	0.6	0.9	2.2	1.1	95
1920	143,154	23.6	15.0	0.4	1.1	1.6	1.2	105
1921	148,300	21.3	14.8	0.5	0.8	1.7	1.2	109
Average 5 y'rs		17.7	16.6	0.6	1.1	2.1	1.4	107
1922	148,300	19.3	15.8	0.7	0.9	2.0	1.2	106
1923	148,300	17.8	16.0	0.5	0.8	2.2	1.5	110
1924	147,300	16.3	13.7	0.3	0.8	1.7	1.2	111
1925	146,200	15.5	14.8	0.5	0.8	1.7	1.1	103
1926	143,000	16.1	16.0	0.7	0.8	1.9	1.4	106
Average 5 y'rs		17.0	15.2	0.5	0.8	1.9	1.3	107
1927	141,400	14.6	14.4	0.2	0.7	1.7	1.2	86
1928	143,200	14.1	14.4	0.4	0.8	1.6	0.9	88

\* Estimated for Deaths.





TABLE No. 11.

Showing the number of deaths from the Seven Principal Zymotic Diseases in the Borough of Oldham, during the years 1894-1928.

Year	Population	Smallpox	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Fever Typhus and Typhoid	Diarrhoea	Total Deaths
1894	133,313	22	56	21	39	58	15	46	257
1895	133,888	23	97	16	25	57	26	143	387
1896	134,475	...	165	56	34	53	23	72	403
1897	135,045	...	96	21	9	77	19	145	367
1898	135,617	..	87	24	10	65	23	114	323
1899	136,210	..	49	46	21	54	18	138	326
1900	136,797	3	108	54	20	89	17	76	367
1901	137,382	..	73	41	13	30	9	171	337
1902	138,091	7	103	39	49	29	13	42	282
1903	138,786	23	43	30	58	111	12	47	324
1904	139,497	14	70	22	34	37	22	117	316
1905	140,225	5	65	45	11	57	12	98	293
1906	140,969	...	125	33	17	41	6	175	397
1907	141,730	...	35	17	17	66	4	78	217
1908	142,507	...	82	28	23	54	12	174	373
1909	143,301	...	43	16	14	15	12	54	159
1910	146,700	...	84	4	9	77	10	80	264
1911	147,751	...	64	5	11	13	3	260	356
1912	148,840	...	65	7	12	65	...	52	201
1913	149,936	...	38	19	19	36	3	104	219
1914	151,044	...	169	48	39	56	5	69	386
1915	141,781*	...	48	17	20	15	4	49	153
1916	136,126*	...	29	3	30	48	2	32	144
1917	133,721	...	73	3	6	4	4	25	115
1918	149,285	...	34	7	10	71	7	5	134
1919	.....	...	25	13	21	5	5	17	86
1920	143,154	...	6	6	15	17	1	12	57
1921	148,300	...	2	7	9	34	3	15	70
1922	148,300	...	70	8	11	9	3	10	111
1923	148,300	...	12	5	10	46	1	6	80
1924	147,300	...	24	2	3	13	1	5	48
1925	146,200	...	37	7	16	6	5	10	81
1926	143,000	...	23	4	19	47	2	4	99
1927	141,400	1	7	...	17	6	1	4	36
1928	143,200	...	9	1	35	4	...	21	70

\* Estimated for Deaths.





Weekly Means of Meteorological Observations for the year 1928.

Date	Barometer reduced to Sea Level at 32.0	Thermometer		% of Saturation	TEMPERATURES.						Rainfall 12in. above ground.	Number of Days on which rain fell	Clouds covered = 10 clear = 0	Sunshine recorded at Strinesdale	
		HYGROMETER			Maximum in Shade	Minimum in Shade.	Maximum in Sun Black Bulb in Vacuum	Maximum in Sun Black Bulb	Minimum on Grass.	Temperature 12in. below surface.					Temperature 4 ft. below surface.
		Dry	Wet												
1928															
January	7 29.10	41	40	90	47	33	43	49	31	35	33	2.70	6	10	4.80
	14 28.88	42	41	92	51	37	46	57	29	38	37	1.88	6	10	1.86
	21 28.95	42	42	100	48	38	45	56	30	39	37	2.13	6	10	2.50
	28 29.05	40	40	100	51	36	48	65	31	40	32	2.43	7	4	3.40
February	4 28.87	39	39	100	50	34	42	58	31	39	37	1.48	7	7	.80
	11 29.10	43	43	100	54	38	47	63	36	40	38	2.51	5	9	2.15
	18 28.96	43	43	100	54	38	45	57	36	39	37	2.15	7	10	1.25
	25 29.60	41	41	100	54	35	48	68	31	40	37	—	—	7	17.96
March	3 29.27	48	48	100	54	36	56	82	30	39	36	.36	4	3	21.23
	10 29.26	42	42	100	54	38	50	81	33	41	38	.09	3	8	16.49
	17 29.33	37	37	100	52	31	44	74	28	38	35	.59	4	8	14.45
	24 28.74	46	46	100	54	40	53	83	38	41	38	.37	7	10	5.00
April	31 28.58	43	43	100	53	38	51	80	33	41	38	.92	4	8	11.89
	7 28.97	45	45	100	51	36	55	81	31	41	37	.52	5	6	22.31
	14 28.86	51	51	100	59	43	62	96	41	46	37	.25	2	7	20.39
	21 29.08	39	39	100	61	31	51	84	24	41	38	.08	3	6	21.30
May	28 29.18	53	53	86	63	43	77	98	37	45	41	.09	2	4	23.79
	5 29.11	53	52	93	71	44	65	97	42	49	44	.06	2	3	21.35
	12 29.28	50	49	93	68	39	67	97	32	49	40	.04	4	7	36.81
	19 29.17	46	45	93	67	40	60	90	36	48	40	.34	4	7	14.44
	26 29.29	50	49	93	59	41	62	90	36	48	39	.96	5	7	13.05

June	2 29.40	58	54	76	65	48	73	104	43	42	.03	2	7	29.25
	9 29.02	59	52	61	64	44	70	93	41	43	2.03	4	7	32.05
	16 29.19	51	51	100	61	43	64	96	40	44	1.77	7	7	29.05
	23 29.22	55	54	93	65	45	66	99	41	46	.72	5	2	29.20
July	30 29.08	57	55	87	66	49	66	96	44	44	2.02	7	6	18.39
	7 29.21	57	55	87	65	49	65	96	46	41	1.84	4	4	23.70
	14 29.44	62	61	—	69	51	73	105	46	—	.06	2	4	38.92
	21 29.50	61	61	100	73	52	75	104	49	—	...	—	5	41.03
August	28 29.22	59	59	100	70	52	68	91	50	—	.27	4	5	12.50
	4 29.23	55	54	93	61	46	69	98	42	—	.74	4	6	33.74
	11 29.34	60	57	82	67	51	73	91	45	—	.95	4	4	26.13
	18 29.10	57	56	93	65	51	70	102	48	—	.61	6	6	21.99
	25 29.02	59	57	88	69	53	70	102	51	—	2.55	8	8	12.99
September	1 29.18	57	54	81	63	49	69	100	47	—	1.62	3	4	22.57
	8 29.34	60	57	82	70	53	73	102	49	—	.29	2	1	32.73
	15 29.51	58	54	76	63	49	70	96	44	—	.27	3	5	25.89
	22 29.49	53	49	74	63	44	63	88	39	—	.07	4	7	22.84
	29 29.21	51	48	80	55	42	58	85	36	—	.37	3	4	10.64
October	6 29.41	50	50	100	55	43	61	88	36	—	.32	3	9	25.90
	13 29.05	52	50	86	63	43	61	87	42	—	1.43	6	8	13.61
	20 29.08	52	50	86	60	44	60	82	37	—	1.04	5	8	17.80
	27 28.73	48	48	100	58	42	56	80	38	—	.75	6	8	16.40
November	3 29.11	47	46	93	56	43	54	74	37	—	.97	7	9	8.65
	10 29.14	43	42	92	53	35	50	69	29	—	.06	3	8	12.73
	17 29.17	50	49	93	57	43	55	66	38	—	2.66	7	10	.30
	24 28.80	50	50	100	58	40	57	67	40	—	2.19	6	10	2.05
December	1 29.12	44	43	92	53	35	50	64	34	—	1.27	5	7	8.95
	8 29.23	38	36	83	48	32	48	56	28	—	.63	3	5	4.89
	15 28.98	35	34	90	39	31	37	47	26	—	.28	3	9	3.10
	22 29.40	40	40	100	43	31	44	51	29	—	1.05	5	10	3.89
	29 29.20	38	38	100	47	35	43	50	30	—	.70	6	10	1.25
Means	29.15	49	48	93	58	41	58	81	37	39	49.01 Total	237 Total	7	864.39 Total



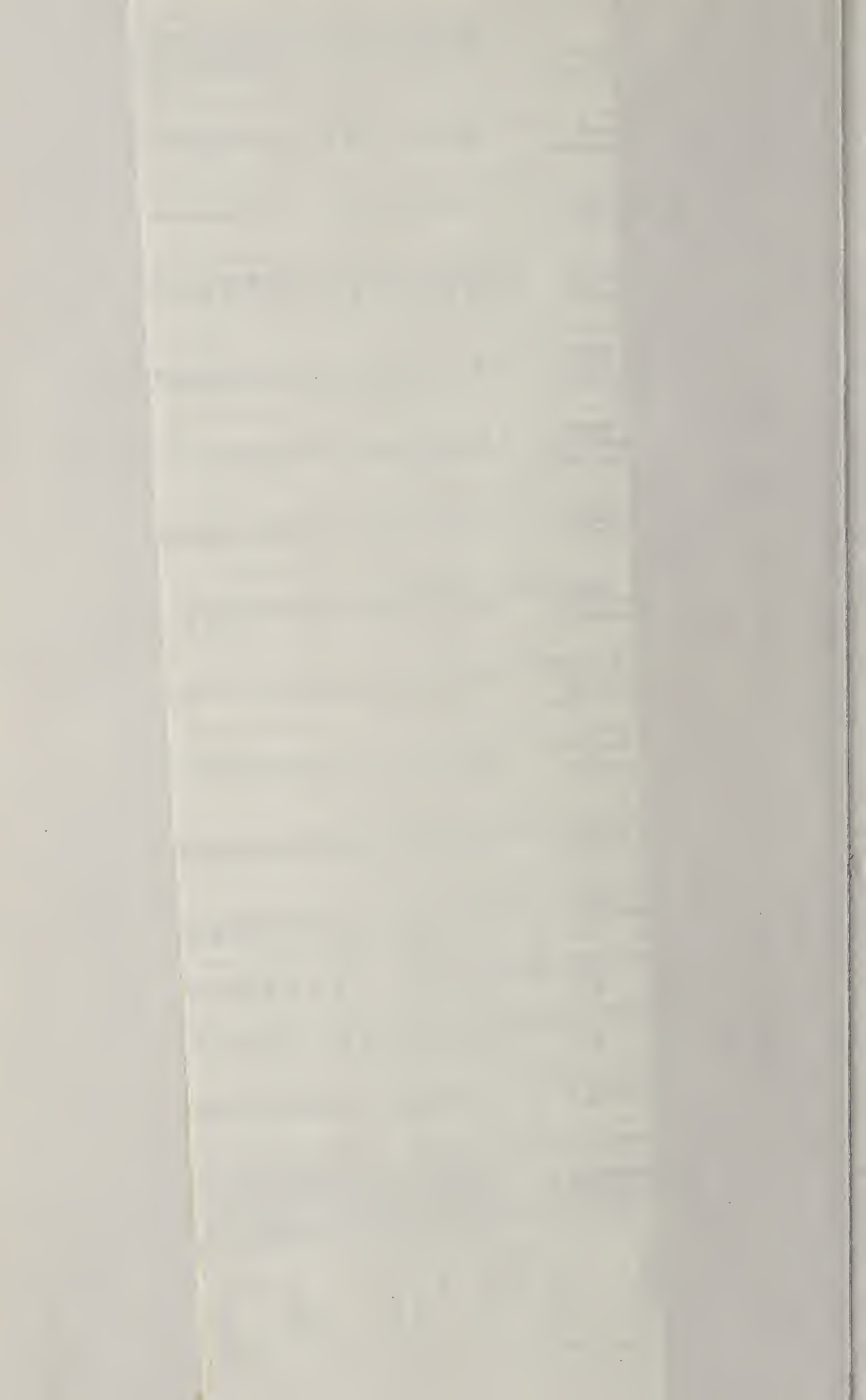


TABLE No. 15.

COUNTY BOROUGH OF OLDHAM.

Deaths Registered at Several Groups of Ages from Different Causes  
during 52 Weeks ending December 29th, 1928.

[illegible]









TABLE No. 15—Continued.

AGES.														
CAUSE OF DEATH.	0 to 1	1 to 5	Total under 5 years	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 60	60 to 65	65 to 75	75 to 85	85 and upwards	TOTALS
V.—DEVELOPMENTAL DISEASES.														
Premature Birth.....	61	...	61	...	...	...	...	...	...	...	...	...	...	61
Atelectasis .....	3	...	3	...	...	...	...	...	...	...	...	...	...	3
Congenital Malformations....	7	6	13	...	...	...	...	...	...	...	...	...	...	13
Old Age .....	...	...	...	...	...	...	...	...	1	2	37	64	13	117
VI.—LOCAL DISEASES.														
1. Diseases of Nervous System														
Inflammation of Brain or Membranes .....	1	3	4	5	1	2	1	1	1	...	...	...	...	15
Apoplexy, Softening of Brain, Hemiplegia, Brain Paralysis.	...	...	...	...	...	1	3	18	25	20	71	30	6	174
Insanity, General Paralysis of the Insane .....	...	...	...	...	1	...	3	4	3	3	5	1	...	20
Epilepsy .....	...	...	...	1	2	1	2	5	3	...	1	1	...	16
Convulsions .....	11	3	14	1	...	...	...	...	...	...	...	...	...	15
Laryngismus Stridulus (Spasm of Glottis) .....	1	...	1	...	...	...	...	...	...	...	...	...	...	1
Encephalitis Lethargica.....	...	...	...	...	...	...	...	1	...	3	...	...	...	4
Poliomyelitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Disease of Spinal Cord, Paraplegia, Paralysis Agitans...	...	...	...	2	...	...	1	3	4	4	3	1	...	18
Other Diseases of Nervous System .....	...	...	...	...	...	1	...	2	1	1	1	...	...	6
2. Diseases of Organs of Special Sense.														
Of Ear, Eye, Nose .....	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Cerebro Spinal Meningitis.....	...	...	...	2	...	...	...	...	...	...	...	...	...	2
3. Diseases of Circulatory System.														
Pericarditis .....	...	...	...	...	...	...	...	1	...	3	2	1	...	7
Acute Endocarditis.....	...	...	...	3	...	2	2	3	1	1	3	6	...	21
Valvular Diseases of Heart ..	...	...	...	3	7	7	13	22	14	18	34	6	...	124
Other Diseases of Heart .....	...	1	1	1	2	...	3	11	10	15	40	21	2	106
Aneurism .....	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Embolism, Thrombosis .....	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Other Diseases of Blood Vessels	...	...	...	...	...	1	1	2	1	5	14	8	...	32
4. Diseases of Respiratory System.														
Laryngitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Emphysema, Asthma.....	...	...	...	...	...	1	2	1	1	...	2	1	...	8
Bronchitis .....	13	5	18	2	1	3	10	26	28	33	85	29	4	239
Pneumonia .....	19	20	39	5	7	7	17	19	7	12	16	9	...	138
Pleurisy .....	...	...	...	...	...	...	1	1	...	...	1	...	...	3
Other Diseases of Respiratory System .....	...	2	2	...	3	...	2	1	1	1	1	2	...	13



TABLE No. 15—Continued.

CAUSE OF DEATH.	AGES.													TOTALS.
	0 to 1	1 to 5	Total under 5 years	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 60	60 to 65	65 to 75	75 to 85	85 and upwards	
<b>5. Diseases of Digestive System.</b>														
Dentition .....	1	1	2	...	...	...	...	...	...	...	...	...	...	2
Sore Throat, Quinsy .....	...	2	2	2	...	...	...	...	...	...	...	...	...	4
Diseases of Stomach .....	1	1	2	1	1	...	2	6	3	3	3	...	...	21
Enteritis .....	7	3	10	...	1	3	...	...	...	1	1	...	...	16
Obstructive Diseases of Intestine .....	2	...	2	...	...	3	...	1	4	2	2	3	...	17
Hernia .....	...	...	...	...	...	...	1	2	...	1	...	...	...	4
Peritonitis .....	...	...	...	...	...	2	1	2	...	...	1	...	...	6
Appendicitis and Typhilitis .....	...	...	...	6	2	...	2	3	...	...	1	...	...	14
Ascitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver .....	...	...	...	...	...	...	...	1	1	1	1	...	...	4
Jaundice and other Diseases of Liver .....	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Other Diseases of Digestive System .....	1	...	1	...	...	3	1	1	1	1	...	1	...	9
<b>6. Diseases of Lymphatic System.</b>														
Of Lymphatics and of Spleen..	2	...	2	...	...	...	...	...	...	...	1	...	...	3
<b>7. Diseases of Glandlike Organs of Uncertain Use.</b>														
Bronchocele, Addison's Disease .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>8. Diseases of Urinary System.</b>														
Nephritis .....	1	1	2	...	2	5	7	5	14	8	15	4	1	63
Bright's Disease, Albuminuria .....	...	...	...	...	...	2	1	6	1	7	5	2	...	24
Disease of Bladder or of Prostate .....	...	...	...	...	...	...	...	...	1	3	1	2	...	7
Other Diseases of the Urinary System .....	...	...	...	...	...	...	1	2	2	1	...	...	...	6
<b>9. Diseases of Reproductive System.</b>														
<b>A. Of Organs of Generation.</b>														
Male Organs .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Female Organs .....	...	...	...	...	...	2	1	2	1	...	1	1	...	8
<b>B. Of Parturition.</b>														
Abortion, Miscarriage .....	...	...	...	...	2	...	...	...	...	...	...	...	...	2
Eclampsia, Convulsions .....	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Placenta prævia, Flooding .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Accidents of Childbirth .....	...	...	...	...	...	3	3	...	...	...	...	...	...	6
<b>10. Diseases of Bones and Joints.</b>														
Rickets, Necrosis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arthritis, Osteitis, Periostitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Bones and Joints .....	...	...	...	...	...	1	...	1	...	...	...	1	...	3





TABLE No. 15—Continued.

[illegible]



TABLE No. 16.  
SCARLET FEVER.

Ages	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage.
Under 5 years ...	57	...	...
5 to 10... ...	138	...	...
10 to 15... ...	45	...	...
15 to 25... ...	28	1	3.5
25 to 35... ...	10	...	...
35 to 45... ...	...	...	...
45 to 55... ...	1	...	...
Over 55 ...	...	...	...
Total ...	279	1	3.3





TABLE No. 17.

## DIPHTHERIA.

Ages.	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage
Under 5 years ...	82	17	20·7
5 to 10... ...	129	14	10·8
10 to 15... ...	43	2	4·6
15 to 25... ...	19	...	...
25 to 35... ...	7	...	...
35 to 45... ...	4	...	...
45 to 55... ...	1	...	...
Over 55... ...	3	2	66·6
Total .....	288	35	12·1



TABLE No. 18.  
TYPHOID OR ENTERIC FEVER.

Ages.	Cases Reported.	Deaths of such Cases.	
		Total.	Percentage.
Under 5 years ...	...	...	...
5 to 10... ...	...	...	...
10 to 15... ...	1	1	100·0
15 to 25... ...	...	...	...
25 to 35... ...	...	...	...
35 to 45... ...	...	...	...
45 to 55... ...	...	...	...
Over 55... ...	...	...	...
Total ...	1	1	100·0





TABLE No. 19.

Showing the number of Cases of Sickness and the Deaths Registered during the  
several months of the year 1928 in Oldham.

MONTHS.	SMALLPOX.		SCARLET FEVER.		DIPH- THERIA		TYPHOID FEVER.		PUER- PERAL FEVER.		PUER- PERAL PYREXIA		CEREBRO- SPINAL M'NINGITIS		ACUTE POLIOMYE- LITIS		ENCEPHA- LITIS L'ITH'RGICA		ERYSIPELAS		DYSENTERY		MALARIA	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January ...	...	...	9	...	19	2	1	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	...
February...	6	...	28	...	28	1	...	...	3	...	...	...	...	...	...	...	...	6	...	...	...	...	1	...
March .....	7	...	24	...	33	4	...	...	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...
April .....	7	...	22	...	32	4	...	...	5	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...
May .....	4	...	24	...	23	4	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...
June .....	1	...	24	...	31	5	...	...	2	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...
July .....	...	...	20	1	12	1	...	...	1	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...
August ...	...	...	14	...	15	1	...	...	4	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...
September.	...	...	15	...	21	1	...	...	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...
October ...	...	...	16	...	20	1	...	...	2	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...
November..	...	...	38	...	30	8	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...
December..	6	...	45	...	24	3	...	...	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...
Totals ...	31	...	279	1	238	35	1	...	20	9	11	...	2	2	1	...	7	4	86	1	...	...	1	...



TABLE No. 20.

Cases of Infectious Disease notified during the Year 1928.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						
	At all Ages.	At Ages—Years.					
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwds
Small-pox ... ..	31	...	2	8	9	11	1
Scarlet Fever ...	279	1	56	183	23	11	...
Diphtheria ... ..	283	1	81	172	19	15	...
Enteric Fever ..	1	...	...	1	...	...	...
Puerperal Fever ...	20	...	...	...	6	14	...
Puerperal Pyrexia	11	...	...	...	1	10	...
Cerebro Spinal Fever ... ..	2	...	...	2	...	...	...
Acute Poliomyelitis ...	1	...	1	...	...	...	...
Encephalitis Lethargica ...	7	...	1	...	2	4	...
Typhus Fever ...	...	...	...	...	...	..	...
Erysipelas ... ..	86	...	..	5	11	59	11
Dysentery .....	...	...	...	...	...	...	...
Malaria .....	1	...	...	...	1	...	...
Phthisis... ..	...	...	...	...	...	...	...
Totals ...	727	2	141	371	77	124	12

\*Not included in Totals.





TABLE No. 20—Continued.

Cases of Infectious Disease notified during the Year, 1928.

NOTIFIABLE DISEASE.	TOTAL CASES NOTIFIED IN EACH LOCALITY.												
	Total No.	St. Mary's Ward	St. Peter's Ward	Werneth Ward	Westwood Ward	St. Paul's Ward	Coldhurst Ward	Hartford Ward	Hollinwood Ward	Clarkfield Ward	Mumps Ward	St. James' Ward	Waterhead Ward
Small-pox ..	31	5	...	...	...	2	...	...	...	2	.	13	9
Scarlet Fev'r	279	15	9	26	35	37	17	29	40	35	8	10	18
Diphtheria...	288	8	9	23	47	40	14	24	24	40	17	13	29
Enteric Fev'r	1	...	...	...	..	...	...	...	1	...	...	...	...
Puerperal Fever..	20	1	1	2	5	...	...	3	2	3	2	1	...
Puerperal Pyrexia ...	11	...	..	2		...	...	3	1	2	1	...	2
Cerebro Spinal Fever	2	1	...	...	...	...	...	...	...	...	...	1	...
Acute Poliomyelitis	1	...	...	...	...	...	1	...	...	...	...	...	...
Encephalitis Lethargica	7	1	...	1	...	...	...	2	...	...	1	1	1
Typhus Fev'r	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas...	86	2	10	6	21	9	5	4	4	9	3	6	7
Dysentery ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria ...	1	...	...	...	...	...	...	...	...	...	...	1	...
Phthisis *	170	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	727	33	29	60	108	88	37	65	72	91	32	46	66

\* Not included in Totals.



TABLE No. 20—Continued.

NOTIFIABLE DISEASE.	No. of Cases Removed to Hospital from Each Locality												
	Total No.	St. Mary's Ward	St. Peter's Ward	Werneth Ward	Westwood Ward	St. Paul's Ward	Coldhurst Ward	Hartford Ward	Hollinwood Ward	Clarksfield Ward	Mumps Ward	St. James' Ward	Waterhead Ward
Small-pox ...	30	5	...	...	...	2	...	...	...	2	...	12	9
Scarlet Fev.	174	10	5	19	27	19	15	14	27	12	7	6	13
Diphtheria...	225	6	6	14	35	28	12	20	23	28	16	11	26
Enteric Fev.	1	...	...	...	..	...	...	...	1	...	...	...	...
Puerperal,,	18	1	1	2	5	...	...	2	2	2	2	1	...
Puerperal Pyrexia ...	6	...	...	1	...	...	...	2	1	1	1	...	...
Cerebro Spinal Fev.	1	1	...	...	...	...	...	...	...	...	...	..	...
Acute P'li'my'litis	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	1	...	...	...	...	...	...	...	...	...	1	...	...
Typhus Fev.	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas...	15	...	1	...	12	1	...	...	...	...	...	1	..
Dysentery...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria .....	...	...	...	...	...	...	...	...	...	..	...	...	...
Totals ...	471	23	13	36	79	50	27	38	54	45	27	31	48





TABLE  
SUMMARY OF CASES ADMITTED INTO WESTHULME

	1909		1910		1911		1912		1913		1914		1915		1916		1917	
	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died
Measles .....	13	...	64	3	14	1	21	1	...	...	47	7	6	1	18	2	19	2
Measles & Appendectomy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever...	312	10	154	6	260	6	242	7	509	10	815	37	364	7	110	2	99	1
Doubtful Scarlet Fe....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Diphtheria....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Chick'n-pox...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Whoop'g C'gh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fe. & Phthisis ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria.....	8	2	11	4	25	4	20	5	22	9	46	9	37	6	76	20	32	4
Diphtheria & Measles....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria, Measles and Ophthalmia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria & Phthisis....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria & Typhoid Fe...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhus .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhoid Fever.	20	2	27	8	25	1	18	5	10	..	24	6	14	1	9	3	11	4
Puerperal Fe...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Encephalitis, Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas .....	2	1	1	1	3	...	...	...	1	..	1	...	5	...	2	...	4	..
Tuberculosis ...	...	...	...	...	...	...	...	...	...	...	105	20	127	22	131	23	162	29
Chicken-pox ...	...	...	...	...	24	...	10	...	4	..	...	...	..	..	...	...	1	...
Chic'n-pox & Appendicitis...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..
Whooping Cough .....	..	...	...	...	...	...	...	...	..	...	1	1	...	...	...	...	...	...
Cerebro Spinal Meningitis...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marasmus .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malnutrition ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...
	355	15	257	22	351	12	311	18	546	19	1040	80	553	37	346	50	331	40



No. 21.  
HOSPITAL DURING THE YEARS 1909 TO 1928.

1918		1919		1920		1921		1922		1923		1924		1925		1926		1927		1928	
Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died	Admitted	Died
17	...	36	...	8	...	4	...	64	10	10	...	25	...	56	8	29	1	22	2	7	1
106	6	296	11	318	6	503	8	467	7	194	5	162	5	371	9	306	1	185	...	256	2
...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	3	...	3	1	2	...	3	...	1	7	...	...	5	...
...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	1	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
52	9	71	9	87	16	72	6	67	12	53	12	83	6	128	22	150	15	213	16	276	31
...	...	...	...	...	...	...	...	2	1	...	...	...	...	2	1	...	...	2	1	2	2
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
24	4	7	3	7	3	13	5	11	3	9	2	12	2	8	2	6	1	7	2	6	3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	1	1	...	...	1	1
2	...	2	...	3	...	1	...	...	...	...	...	1	...	...	...	...	...	2	...	...	...
153	28	147	25	114	28	99	22	105	23	94	18	95	22	96	27	80	27	98	23	82	25
9	...	9	...	6	...	5	...	2	...	14	...	24	3	9	...	12	...	...	...	1	...
...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	2	1	1
...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	3	13	1	...	...	...	...	2	...	36	...	28	...	13	2	...	...	15	...	...	...
370	50	583	50	543	53	697	41	726	61	417	38	435	40	688	73	596	46	547	46	638	66





TABLE No. 22.

Showing the number of new Cases of Sickness coming to the knowledge of the Medical Officer of Health during the years 1897 to 1928.

Year.	Small-pox.	Scarlet Fever.	Diphtheria.	Typhus Fever.	Typhoid Fever.	Puerperal Fever.	Total Cases.
1897	...	332	38	2	86	10	468
1898	1	346	39	...	68	20	474
1899	2	822	71	...	92	11	998
1900	8	1065	94	...	72	21	1260
1901	2	679	56	...	40	18	795
1902	178	704	187	...	63	15	1147
1903	256	507	201	...	52	9	1025
1904	255	638	158	...	76	19	1146
1905	281	969	98	...	62	15	1425
1906	455	794	92	...	31	16	1388
1907	...	522	69	...	22	8	621
1908	...	597	89	...	39	21	746
1909	...	522	62	...	35	16	635
1910	2	217	50	...	24	14	307
1911	1	447	87	...	20	19	574
1912	...	366	49	...	18	10	443
1913	8	922	91	...	12	13	1,046
1914	4	1265	164	...	18	9	1,460
1915	22	530	86	...	11	10	659
1916	1	149	142	...	5	9	306
1917	...	129	51	...	5	11	196
1918	...	141	55	...	17	6	219
1919	...	436	118	...	5	14	573
1920	4	434	152	...	3	16	609
1921	4	725	106	...	10	12	857
1922	50	610	89	...	5	15	769
1923	...	244	59	...	3*	9†	315
1924	...	142	80	...	3	7	232
1925	...	410	133	...	7	9	559
1926	10	326	140	...	1	16†	493
1927	19	188	205	...	3	22†	437
1928	31	279	288	...	1	31†	630

\* Including one case notified by Manchester Health Department.

† Including one case admitted into Oldham Union from Royton when already suffering from Puerperal Fever.

† Including Puerperal Pyrexia.



TABLE No. 23.

Summary of Cases treated in the Racefield, Hartstead and Strinesdale Hospitals during the years 1914 to 1928.

Hospitals.	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
	Admitted. Died.	Admitted. Died.	Admitted. Died.	Admitted. Died.	Admitted. Died.	Admitted. Died.	Admitted. Died.	Admitted. Died.	Admitted. Died	Admitted. Died	Admitted. Died.	Admitted. Died.	Admitted. Died.	Admitted. Died.	Admitted. Died.
Racefield & Hartshead Oldham Cases	4 ...	22 ...	1 ...	...	...	...	4 ...	1	49 ...	...	...	...	10 ...	19 ...	30 ...
Strinesdale.....	*116 1	*99 ..	*87 ...	*65	*79 ...	*73 ...	*76 ...	*76 1	*73 2	*50 ...	*67 ...	*77 ..	*96 3	*86 9	*76 4
Oldham Cases	101 1	82 ...	76 ...	56	57 ..	55 ...	68 ...	74 ..	122 2	48 ..	67 .	77 .	106 3	105 9	106 4
Out-Township Cases	15 .	17 ...	11 ...	9 .	22 ...	18 ...	...	6 ...	...	2 ..	...	...	...	...	...
Totals .....	116 1	99 ...	87 ...	65	79 ...	80 ...	68 4	77 ...	122 2	50 ...	67 ...	77 ...	106 3	105 9	106 4

\* Cases of Phthisis.





## TABLE No. 24.

## HEALTH VISITORS' SUMMARY,

For Year ending December, 1928.

1069

Total Live Births—Legitimate	...	...	...	...	1817
„ „ Illegitimate	...	..	...	...	123
„ Still Births	...	...	...	...	120
„ Births notified by Midwives	...	...	...	...	1483
„ „ „ Doctors and Parents	...	...	...	...	457
Infant Deaths—Legitimate	...	...	...	...	165
„ „ Illegitimate	...	...	...	...	16
Visits to Children under 1 year	..	...	...	...	5095
„ „ 1 to 5 years	...	...	...	...	11981
„ Expectant Mothers...	...	...	...	...	410
„ Ophthalmia	...	...	...	...	17
„ Puerperal Fever and Pyrexia	...	...	...	...	25
„ Measles	...	...	...	...	947
„ Whooping Cough	...	...	...	...	250
„ Chicken Pox	...	...	...	...	521
„ Special Enquiries	...	...	...	...	442
„ Infant Deaths...	...	...	...	...	133



TABLE No. 25.

SHOWING THE NUMBER OF WORKSHOPS REGISTERED,  
VISITS MADE, AND DEFECTS REMOVED.

No. of Workshops on Register December, 1927	...	...	...	496
" " Discontinued during 1928	...	...	...	25
" " Registered during 1928...	...	...	...	8
" " on Register December, 1928	...	...	...	479
" Visits Paid	...	...	...	626
" Notices Served	...	...	...	23
" " Complied with	...	...	...	23

Nature of Defects.	Notices Served.	Notices Complied with.
Dirty Workrooms	...	...
Damp, Defective Roof, &c.	10	10
Defective Ventilation	1	1
Defective Water Supply	...	...
Insufficient or no Closet Accommodation	...	...
Defective Closets	2	2
Closet Nuisances	1	1
Defective Drains	2	2
Untrapped Drains	...	...
Dust Bins	2	2
Defective or Short Slop Pipes	...	...
Fire Escapes	...	...
Accumulations	1	1
Defective Chimneys	...	...
Overcrowding	...	...
Miscellaneous	4	4





TABLE No. 26.

SHOWING THE NUMBER OF BAKEHOUSES REGISTERED,  
VISITS MADE, AND DEFECTS REMOVED.

No. of Bakehouses on Register, December, 1927	..	...	...	...	291
„ „ discontinued during 1928	...	...	...	...	6
„ „ registered during 1928	...	...	...	...	13
„ „ on Register, December, 1928	...	...	...	...	298
„ Visits paid	...	...	...	...	726
„ Notices served	...	...	...	...	18
„ „ complied with	...	...	...	...	18

Nature of Defects.	Notices Served	Notices Complied with.
Defective Ventilation	2	2
Dirty Bakehouses	...	...
Accumulations	1	1
Damp, Defective Roof, etc.	2	2
Defective Water Supply	1	1
Defective Dustbins	4	4
Defective Slop Pipe	...	...
Blocked Drains	1	1
Defective Drains	5	5
Defective Chimneys	...	...
Defective Closets	...	...
Insufficient or no Closet Accommodation	...	...
Broken Walls	2	2
Failing to Register	...	...

District	No. on Register	Where Baking is Done.					Kind of Oven Used.				
		Living Room	Living Room and Kitchen	Out Kitchen	Cellar	Bakehouse	Ordinary	Special Iron	Gas	Brick	Stove
No. A	35	...	17	14	2	2	...	32	2	1	...
„ B	58	5	10	16	4	23	6	60	6	...	...
„ C	76	7	27	9	3	30	5	69	1	1	..
„ D	48	1	17	18	3	9	5	43	...	...	...
„ G	45	8	13	7	5	12	9	37	6	...	...
„ H	36	3	5	7	3	18	3	31	9	2	1
Totals	298	24	89	71	20	94	28	272	24	4	1



TABLE No. 27.

## RETAIL MILK SHOPS.

No. of Milk Shops on Register, December, 1927...	...	...	...	...	230
„ „ Discontinued during 1928	...	...	...	...	17
„ „ Registered „ 1928	...	...	...	...	15
„ „ on Register, December, 1928...	...	...	...	...	228
No. of Visits Paid	...	...	...	...	657
Visits to Ice Cream Vendors	...	...	...	...	108





TABLE No. 28.

Showing the number of Smoke Observations taken and Inspections of Mill Lodges made during the years 1927-1928.

Month ending		SMOKE OBSERVATIONS.		MILL LODGES INSPECTIONS.	
1927.	1928.	1927.	1928.	1927.	1928.
Jan. 15	Jan. 14...	87	92	17	23
Feb. 12	Feb. 11...	111	116	18	26
Mar. 12	Mar. 10...	135	151	27	19
Apr. 9	Apr. 7...	152	135	25	23
May 7	May 5...	128	143	15	24
June 4	June 2...	138	94	21	23
July 2	„ 30...	89	131	18	20
„ 30	July 28...	84	163	20	26
Aug. 27	Aug. 25...	101	109	19	26
Sep. 24	Sep. 22...	63	111	15	17
Oct. 22	Oct. 20...	117	63	32	19
Nov. 19	Nov. 17...	139	30	31	16
Dec. 17	Dec. 15...	146	5	24	16
Totals .....		1490	1343	282	278



TABLE No. 29.

HALF-HOURLY SMOKE OBSERVATIONS,  
TAKEN DURING 1928.

Total Observations taken.	No Black Smoke.	Under 1 Minute.	One and Under 2 Minutes.	Two and Under 3 Minutes.	3 and 4, both inclusive.	Over 4 Minutes
1343	316	529	402	88	6	2
Percentage ...	23.53	39.38	29.93	6.55	0.44	0.14





TABLE No. 30.

## LIST OF FIRMS REPORTED TO HEALTH COMMITTEE DURING THE YEAR 1928.

NAME OF MILL	Where Situated	No of Boilers	Length of Boilers	Diameter of Boilers	Coal Consumption Weekly	No. of Boilers Working	Nature of Appliances Fixed.	How disposed of
Cairo Mill Co. (1920) Ltd.....	Greenacres Road...	3	ft. 30	ft. in. 8 0	Tons 54	2	None	Legal Notice Served
Orme Ring Mill (1920) Ltd.....	do.	3	30	8 0	80	3	None	Legal Notice Served



TABLE No. 31.

## SMOKE PROSECUTIONS DURING 1928.

No. of Firms Fined	Amount of Fine.	No. of times previously prosecuted.
	Nil	





TABLE No. 32.

NATURE OF SMOKE APPLIANCES IN USE IN THE  
BOROUGH OF OLDHAM, 1928.

Name of Appliances.	No. of Mills.	No. of Boilers.
Auto-Coking Machines ... ..	7	18
Meldrum Bros.' Forced Draught Furnace	1	1
Broadbent's Louvre Air Regulators... ..	12	43
Caddy's Tubular Bars ... ..	2	6
Butterworth's Sectional Bars ... ..	2	7
Hollow or Split Bridge Walls ... ..	3	10
Hamer's Patent Expansion Joints ... ..	2	6
Sanger and Webster's Patent Air Regulators ... ..	2	8
Johnson's Smoke Consumer ... ..	1	5
Courts Turners Engineering Co.'s Doors	1	4
Babcocks and Wilcocks Patent ... ..	1	12
Mellor's Patent ... ..	2	6
Evan's .. ... ..	1	2
TOTALS... ..	37	128

Where no Appliances are fixed— 94 Mills ; 189 Boilers. There are also about 45 Workshop Chimneys not on books.

Number Electrified ... 16

Partly Electrified ..... 17



## FOOD INSPECTOR'S REPORT.

Visits to Markets ...	...	...	...	...	...	...	329
Do. Cattle Wharves...	...	...	...	...	...	...	833
Do. Meat Shops ...	...	...	...	...	...	...	5,833
Do. Fish Shops ...	...	...	...	...	...	...	1,462
Do. Fruit and Vegetable Shops ...	...	...	...	...	...	...	1,943
Do. Miscellaneous	Do.	...	...	...	...	...	25
Do. Under Contagious Disease Animals Act	...	...	...	...	...	...	56
No. of Samples of Food Purchased under Food & Drugs Acts	...	...	...	...	...	...	160
" " " Informal "...	...	...	...	...	...	...	—
Visits to Corporation Destructors	...	...	...	...	...	...	102

## SLAUGHTER HOUSES.

## VISITS MADE AND DEFECTS REMEDIED.

No. on Register, December, 1927	...	...	...	...	...	36
No. lapsed during 1928	...	...	...	...	...	2
No. newly licensed during 1928	...	...	...	...	...	—
No. on Register, December, 1928	...	...	...	...	...	34

## DAIRIES AND COWSHEDS.

No. of Dairies on Register, December, 1927	...	...	...	...	35
No. " " " 1928	...	...	...	...	35
No. of Cowsheds on Register, December, 1927	...	...	...	...	78
No. " Lapsed during 1928	...	...	...	...	9
No. of New Cowsheds Registered during 1928	...	...	...	...	1
No. of Cowsheds on Register December, 1928	...	...	...	...	70

The number of Cowsheds, and the amount of cubic space per head:—

Total number of Cowsheds, 70.						1927.	1928.
						No. of Shippens	No. of Shippens.
600 cubic feet and under 700 cubic feet per head	...	...	...	...	...	37	32
700 " " 800 " " ...	...	...	...	...	...	12	12
800 " " 900 " " ...	...	...	...	...	...	18	17
900 " " 1000 " " ...	...	...	...	...	...	8	8
1000 " " 1100 " " ...	...	...	...	...	...	1	1
1100 " " 1200 " " ...	...	...	...	...	...	2	—
Total						78	70





## SUMMARY.

					Visits paid.	Notices served.	Notices complied with.
Slaughter Houses	...	...	...	...	3,708	—	—
Dairies	...	...	...	...	65	—	—
Cowsheds	...	...	...	...	167	6	6

## DISEASED OR UNSOUND FOOD DESTROYED.

						Tons.	Cwts.	Qrs.	Lbs.
51 Cattle	...	...	...	...	...	13	8	3	2
36 Sheep	...	...	...	...	...	0	15	3	15
21 Pigs...	...	...	...	...	...	1	9	1	0
45 Calves	...	...	...	...	...	0	18	1	16
Meat	...	...	...	...	...	2	2	2	0
Offal	...	...	...	...	...	9	17	3	5
Fruit	...	...	...	...	...	0	0	0	16
Fish...	...	...	...	...	...	0	0	0	0
Preserved Foods	..	...	...	...	...	0	13	1	22
Rabbits	...	...	...	...	...	0	0	0	0
734 Eggs	...	...	...	...	...	0	0	3	8
Pigs Maws...	...	...	...	...	...	0	3	0	0
Total	...	...	...	...	...	29	10	0	0



SUMMARY.—*continued.*

The following is a summary of diseased, etc., animals reported to, or found by the Meat and Food Inspector during the year:—

Diseased Conditions.				No. Reported.	No. Found by Inspector.	Total.
Tuberculosis in Cattle	...	...	...	201	157	358
Tuberculosis in Pigs	...	...	...	14	126	140
Flukey Livers	...	...	...	73	188	261
Echinococcus	...	...	...	2	28	30
Dropsy	...	...	...	15	4	19
Pneumonia and Pleurisy	...	...	...	3	43	46
Injured	...	...	...	21	8	29
Suffocation	...	...	...	18	7	25
Immaturity	...	...	...	27	18	45
Angioma	...	...	...	1	8	9
Cirrhosis	...	...	...	5	88	93
Abscess	...	...	...	3	20	23
Unsound	...	...	...	2	1	3
Septicæmia...	...	...	...	4	1	5
Jaundice	...	...	...	—	1	1
Mammitis	...	...	...	2	17	19
Actinomycosis	...	...	...	—	2	2
Necrosis	...	...	...	2	16	18
Total	...	...	...	393	733	1126









## HOUSES LET IN LODGINGS, 1928.

Number of Houses on Register, December, 1927. ... ..	150
„ „ lapsed during 1928 ... ..	36
„ „ registered during 1928 .. ...	8
„ „ on register December, 1928 ... ..	122
„ Rooms on register December, 1927 ... ..	755
„ „ lapsed during 1928 ... ..	197
„ „ registered during 1928 ... ..	50
„ „ on register December, 1928 ... ..	608
Visits paid ... ..	6280
Notices Served ... ..	230
„ complied with ... ..	223

## NATURE OF DEFECTS

NATURE OF DEFECTS	Notices Served	Notices Complied With
Broken Walls, Floors and Ceilings... ..	24	24
Overcrowding ... ..	17	17
Separation of Sexes ... ..	12	10
Dampness from Defective Roof, etc. ... ..	34	34
Blocked and Defective Drains ... ..	9	9
Defective Slop-pipes ... ..	6	6
Dirty Walls, Floors, Ceilings, Closets, etc.... ..	61	61
Defective Water Closets ... ..	10	10
„ Waste Water Closets... ..	9	9
Accumulations of Refuse ... ..	4	4
Defective Dust bins ... ..	9	9
Defective Ventilation ... ..	3	3
Failing to Register ... ..	9	9
Other Defects ... ..	23	18
	230	223





DRAINAGE DEFECTS.	Notices Served.	Notices Complied with
Blocked Drains ... ..	539	527
Defective Drains... ..	154	147
Drain Inlets Untrapped or Defectively Trapped ...	241	228
Slop Pipe, Defective or Improperly Ventilated ..	48	47
Defective Water Closets ... ..	125	119
Defective Waste Water Closets... ..	579	573
New Water Closets provided ... ..	155	103
New Waste Water Closets .. ...	—	—
New Pail Closets .. ...	—	—
Yards and Passages Repaired and Flagged ... ..	49	45
Accumulation of Offensive Matter ... ..	113	111
Manure Heaps... ..	12	12
Defective and Insufficient Dustbins ... ..	863	851

No. of Smoke or other Tests, 692.      No. of Houses Tested, 572.  
No. of Defects found, 212.    1087 yards of Channel Tiles and Drainage  
Pipes have been laid or re-laid.  
Traps fixed, 228.      Ventilating Grids, 7.  
Houses connected with Main Sewer, 55.

VISITS TO VARIOUS PREMISES.	Visits Paid.	Notices Served.	Notices Complied with
Bakehouses ... ..	726	18	18
Pigsties ... ..	69	—	—
Tents, Vans, and Sheds ... ..	696	5	1
Houses let in Lodgings ... ..	6280	230	223
Offensive Trades ... ..	192	10	10
Mill Lodges ... ..	278	—	—
Ice Cream Vendors ... ..	108	4	4
Milkshops ... ..	657	5	5
Factories and Workshops ... ..	626	23	23
Shop Hours Act ... ..	—	—	—





## CLOTHING, &amp;c., 1927-1928.

Articles.	Disinfected.		Destroyed.		Totals.	
	1927.	1928.	1927.	1928.	1927.	1928.
Blankets .....	1491	1844	29	26	1520	1870
Sheets .....	1032	1194	11	22	1043	1216
Pillows .....	1418	1629	119	104	1537	1733
Bolsters .....	715	873	33	28	748	901
Quilts.....	898	1081	23	15	921	1096
Mattresses .....	13	12	67	57	80	69
Beds .....	754	912	101	103	855	1015
Carpets .....	4	3	8	...	12	3
Rugs .....	16	17	...	6	16	23
Curtains.....	7	5	...	...	7	5
Clothes .....	1287	1628	92	73	1379	1701
Sundry Articles ...	29	33	103	126	132	159
Total .....	7664	9221	586	560	8250	9791

Total Houses Disinfected ... 868

,, Rooms ,, ... 2193.



## CLEANSING DEPARTMENT, 1928.

Number of Ashpits in the Borough	...	...	...	...	...	None
Do. Ashbins	do.	...	...	...	...	34585
Do. Pail Closets	do.	...	...	...	...	1885
Do. Water Closets	do.	..	...	...	...	10015
Do. Waste-water Closets	do.	...	...	...	...	24778
Do. Latrines	do.	...	...	...	...	2953
Do. Houses represented	...	..	...	...	...	36286
Do. Mills, Workshops, &c.	do.	...	...	...	...	592
Do. Churches, Schools, &c.	do.	...	..	...	...	242

### ASHES DEPARTMENT.

Number of Ashpits Emptied during the day	...	...	...	...	None
Do. Ashbins	do.	do.	...	...	1713963
Do. Tons of Ashes taken to Destructors	...	...	...	...	25859
Do. do. Corporation Tips	...	...	...	...	2900
Do. do. Other Tips	...	...	...	...	450
Total No. of Tons collected	...	...	...	...	29209
Number of Tons of Clinker removed from Destructors	...	...	...	...	9219

### NIGHTSOIL DEPARTMENT.

Number of Sanitary Pails Emptied during the night	...	...	...	101699
Do. Collections of Butchers' Offal (during the night)	...	...	...	2560
Do. do. Fish Offal	...	...	...	18788
Do. Loads of Excreta collected	...	...	...	1536
Do. do. Butchers' Offal collected	...	...	...	636
Do. do. Fish Offal collected	...	...	...	1235

### DESTRUCTORS.

Quantity of Ashes, Fish Offal and Garbage consumed :—						Tons	Cwt.
						T.	C.
Rhodes Bank Destructor :—							
Portion of Collection—Screened				...	11543	4	
Do.	do.	Unscreened	...	3600	12	15143	16
Robin Hill	..	...	...	...	...	6659	12
Hollinwood	..	...	...	...	...	5564	—
Total				...	...	27367	8





## Quantity of Mortar Sold :—

								Tons Cwt. qrs.
Rhodes Bank Destructor	...	...	...	...	...	...	...	920 13 0
Robin Hill	..	...	...	...	...	...	...	149 2 0
Hollinwood	..	...	...	...	...	...	...	677 14 0
Total	...	...	...	...	...	...	...	1747 9 0

## Quantity of Screened Clinker taken to Sewage Works :—

								Tons Cwt. qrs.
Rhodes Bank Destructor	...	...	...	...	...	...	...	1664 13 0
Hollinwood Destructor	...	...	...	...	...	...	...	776 13 0
								2441 6 0

								Tons Cwt. qrs.
Quantity of Baled Tins Sold	...	...	...	...	...	...	...	349 15 0

## FLAG MAKING DEPARTMENT.

								Sq. Yds.
Quantity of Flage made, 1928	...	...	...	...	...	...	...	15820
Do. sold	...	...	...	...	...	...	...	14930

## HIGGINSHAW DEPOT.

Number of Tons of Shoddy Dirt Received	...	...	...	...	...	42
Do. Tons of Shoddy Manure Sent out by Rail	...	...	...	...	...	483

